

GenCore version 5.1.4 p5\_4578  
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OM protein - protein search, using sw model

Run on: April 16, 2003, 09:38:18 ; Search time 16 Seconds  
(without alignments)  
38.983 Million cell updates/sec

Title: US-09-580-156D-42

Perfect score: 20

Sequence: 1 VVPQ 4

Scoring table: BLOSUM62

Searched: Gapop 10.0 , Gapext 0.5

Total number of hits satisfying chosen parameters: 705215

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Pending Patents\_AA\_New:\*  
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Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	20	100.0	4	US-09-580-893C-17	Sequence 17, Appl
2	20	100.0	4	US-09-580-893C-42	Sequence 42, Appl
3	20	100.0	4	US-09-580-893C-43	Sequence 43, Appl
4	20	100.0	4	US-09-580-893D-17	Sequence 17, Appl
5	20	100.0	4	US-09-580-893D-42	Sequence 42, Appl
6	20	100.0	4	US-09-580-893D-43	Sequence 43, Appl
7	20	100.0	4	US-09-580-110E-17	Sequence 17, Appl
8	20	100.0	4	US-09-580-110E-43	Sequence 43, Appl
9	20	100.0	4	US-09-580-110E-17	Sequence 17, Appl
10	20	100.0	4	US-09-580-110E-43	Sequence 43, Appl
11	20	100.0	4	US-09-580-156D-42	Sequence 42, Appl
12	20	100.0	4	US-09-580-893C-45	Sequence 45, Appl
13	20	100.0	4	US-09-580-893C-45	Sequence 45, Appl
14	20	100.0	4	US-09-580-893D-45	Sequence 45, Appl
15	20	100.0	4	US-09-580-893D-45	Sequence 45, Appl
16	20	100.0	4	US-09-580-893D-45	Sequence 45, Appl
17	20	100.0	4	US-09-580-110E-45	Sequence 45, Appl
18	20	100.0	4	US-09-580-110E-47	Sequence 47, Appl
19	20	100.0	4	US-09-580-156D-45	Sequence 45, Appl
20	20	100.0	4	US-09-580-893C-44	Sequence 44, Appl
21	20	100.0	4	US-09-580-893C-44	Sequence 44, Appl
22	20	100.0	4	US-09-580-893C-48	Sequence 48, Appl
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24	20	100.0	4	US-09-580-893C-52	Sequence 52, Appl
25	20	100.0	4	US-09-580-893D-44	Sequence 44, Appl
26	20	100.0	4	US-09-580-893D-46	Sequence 46, Appl

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28	20	100.0	6	US-09-580-893D-49	Sequence 49, Appl
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30	20	100.0	6	US-09-580-110E-44	Sequence 44, Appl
31	20	100.0	6	US-09-580-110E-46	Sequence 46, Appl
32	20	100.0	6	US-09-580-110E-48	Sequence 48, Appl
33	20	100.0	6	US-09-580-110E-49	Sequence 49, Appl
34	20	100.0	6	US-09-580-110E-52	Sequence 52, Appl
35	20	100.0	6	US-09-580-156D-44	Sequence 44, Appl
36	20	100.0	6	US-09-580-156D-48	Sequence 48, Appl
37	20	100.0	6	US-09-580-156D-48	Sequence 48, Appl
38	20	100.0	6	US-09-580-156D-52	Sequence 52, Appl
39	20	100.0	6	US-09-580-156D-52	Sequence 52, Appl
40	20	100.0	7	US-09-580-893C-50	Sequence 50, Appl
41	20	100.0	7	US-09-580-893C-53	Sequence 53, Appl
42	20	100.0	7	US-09-580-893D-50	Sequence 50, Appl
43	20	100.0	7	US-09-580-893D-53	Sequence 53, Appl
44	20	100.0	7	US-09-580-110E-50	Sequence 50, Appl
45	20	100.0	7	US-09-580-110E-53	Sequence 53, Appl

## ALIGNMENTS

RESULT 1  
US-09-580-893C-17  
Sequence 17, Application US/09580893C  
GENERAL INFORMATION:  
APPLICANT: SANDBERG, LAWRENCE B  
APPLICANT: MITTS, THOMAS F  
TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS  
FILE REFERENCE: 00-144-US  
CURRENT APPLICATION NUMBER: US/09/580, 893C  
CURRENT FILING DATE: 2002-10-08  
NUMBER OF SEQ ID NOS: 75  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 17  
LENGTH: 4  
TYPE: PRT  
ORGANISM: mammalian  
US-09-580-893C-17

Query Match 100.0%; Score 20; DB 5; Length 4;  
Best Local Similarity 100.0%; Pred. No. 66+05;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 1 VVPQ 4  
1 VVPQ 4

RESULT 2  
US-09-580-893C-42  
Sequence 42, Application US/09580893C  
GENERAL INFORMATION:  
APPLICANT: SANDBERG, LAWRENCE B  
APPLICANT: MITTS, THOMAS F  
TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS  
FILE REFERENCE: 00-144-US  
CURRENT APPLICATION NUMBER: US/09/580, 893C  
CURRENT FILING DATE: 2002-10-08  
NUMBER OF SEQ ID NOS: 75  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 42  
LENGTH: 4  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: Peptide  
NAME/KEY: MOD\_RES

LOCATION: (1)  
OTHER INFORMATION: ACETYLATION  
US-09-580-893C-42

Query Match 100.0%; Score 20; DB 5; Length 4;  
Best Local Similarity 100.0%; Pred. No. 6e+05;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVPO 4  
DB 1 VVPO 4

RESULT 3  
US-09-580-893C-43  
Sequence 43, Application US/09580893C  
GENERAL INFORMATION:  
APPLICANT: SANDBERG, LAWRENCE B  
APPLICANT: MITTS, THOMAS F  
TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS  
FILE REFERENCE: 00-144-US  
CURRENT APPLICATION NUMBER: US/09/580,893C  
CURRENT FILING DATE: 2002-10-08  
NUMBER OF SEQ ID NOS: 75  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 43  
LENGTH: 4  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: Peptide  
NAME/KEY: MOD\_RES  
LOCATION: (1)  
OTHER INFORMATION: ACETYLATION  
US-09-580-893C-43

Query Match 100.0%; Score 20; DB 5; Length 4;  
Best Local Similarity 100.0%; Pred. No. 6e+05;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVPO 4  
DB 1 VVPO 4

RESULT 4  
US-09-580-893D-17  
Sequence 17, Application US/09580893D  
GENERAL INFORMATION:  
APPLICANT: SANDBERG, LAWRENCE B  
APPLICANT: MITTS, THOMAS F  
APPLICANT: JIMENEZ JR, FELIPE  
TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS  
FILE REFERENCE: 00-144-US  
CURRENT APPLICATION NUMBER: US/09/580,893D  
CURRENT FILING DATE: 2002-10-08  
NUMBER OF SEQ ID NOS: 75  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 17  
LENGTH: 4  
TYPE: PRT  
ORGANISM: mammalian  
US-09-580-893D-17

Query Match 100.0%; Score 20; DB 5; Length 4;  
Best Local Similarity 100.0%; Pred. No. 6e+05;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVPO 4  
DB 1 VVPO 4

RESULT 5  
US-09-580-893D-42  
Sequence 42, Application US/09580893D  
GENERAL INFORMATION:  
APPLICANT: SANDBERG, LAWRENCE B  
APPLICANT: MITTS, THOMAS F  
APPLICANT: JIMENEZ JR, FELIPE  
TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS  
FILE REFERENCE: 00-144-US  
CURRENT APPLICATION NUMBER: US/09/580,893D  
CURRENT FILING DATE: 2002-10-08  
NUMBER OF SEQ ID NOS: 75  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 42  
LENGTH: 4  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: Peptide  
NAME/KEY: MOD\_RES  
LOCATION: (1)  
OTHER INFORMATION: ACETYLATION  
US-09-580-893D-42

Query Match 100.0%; Score 20; DB 5; Length 4;  
Best Local Similarity 100.0%; Pred. No. 6e+05;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVPO 4  
DB 1 VVPO 4

RESULT 6  
US-09-580-893D-43  
Sequence 43, Application US/09580893D  
GENERAL INFORMATION:  
APPLICANT: SANDBERG, LAWRENCE B  
APPLICANT: MITTS, THOMAS F  
APPLICANT: JIMENEZ JR, FELIPE  
TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS  
FILE REFERENCE: 00-144-US  
CURRENT APPLICATION NUMBER: US/09/580,893D  
CURRENT FILING DATE: 2002-10-08  
NUMBER OF SEQ ID NOS: 75  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 43  
LENGTH: 4  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: Peptide  
NAME/KEY: MOD\_RES  
LOCATION: (1)  
OTHER INFORMATION: ACETYLATION  
US-09-580-893D-43

Query Match 100.0%; Score 20; DB 5; Length 4;  
Best Local Similarity 100.0%; Pred. No. 6e+05;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVPO 4  
DB 1 VVPO 4

RESULT 7  
US-09-580-110E-17  
Sequence 17, Application US/09580110E

GENERAL INFORMATION:  
APPLICANT: Mltis, Thomas F.  
APPLICANT: Sandberg, Lawrence B.  
TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND USES OF SAME IN COMBINATION WITH SKIN  
TITLE OF INVENTION: ENHANCING AGENTS  
FILE REFERENCE: 25812-13  
CURRENT APPLICATION NUMBER: US/09/580,110E  
CURRENT FILING DATE: 2000-05-30  
NUMBER OF SEQ ID NOS: 75  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 17  
LENGTH: 4  
TYPE: PRT  
ORGANISM: Artificial  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: peptide  
US-09-580-110E-17

Query Match 100.0%; Score 20; DB 5; Length 4;  
Best Local Similarity 100.0%; Pred. No. 6e+05;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVPQ 4  
Db 1 VVPQ 4

RESULT 8  
US-09-580-110E-43  
Sequence 43, Application US/09580110E  
GENERAL INFORMATION:  
APPLICANT: Mltis, Thomas F.  
APPLICANT: Sandberg, Lawrence B.  
TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND USES OF SAME IN COMBINATION WITH SKIN  
TITLE OF INVENTION: ENHANCING AGENTS  
FILE REFERENCE: 25812-13  
CURRENT APPLICATION NUMBER: US/09/580,110E  
CURRENT FILING DATE: 2000-05-30  
NUMBER OF SEQ ID NOS: 75  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 43  
LENGTH: 4  
TYPE: PRT  
ORGANISM: Artificial  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: peptide  
FEATURE:  
NAME/KEY: MOD RES  
LOCATION: (1)-(1)  
OTHER INFORMATION: ACETYLTATION  
US-09-580-110E-43

Query Match 100.0%; Score 20; DB 5; Length 4;  
Best Local Similarity 100.0%; Pred. No. 6e+05;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVPQ 4  
Db 1 VVPQ 4

RESULT 9  
US-09-580-156D-17  
Sequence 17, Application US/09580156D  
GENERAL INFORMATION:  
APPLICANT: Lawrence, Sandberg B.  
APPLICANT: Thomas, Mltis F.  
TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND USES THEREOF  
FILE REFERENCE: 25812-5C1P  
CURRENT APPLICATION NUMBER: US/09/580,156D  
CURRENT FILING DATE: 2000-05-30  
NUMBER OF SEQ ID NOS: 308  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 13

PRIOR APPLICATION NUMBER: PCT/US99/05496  
PRIOR FILING DATE: 1999-03-12  
NUMBER OF SEQ ID NOS: 54  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 17  
LENGTH: 4  
TYPE: PRT  
ORGANISM: mammalian  
US-09-580-156D-17

Query Match 100.0%; Score 20; DB 5; Length 4;  
Best Local Similarity 100.0%; Pred. No. 6e+05;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVPQ 4  
Db 1 VVPQ 4

RESULT 10  
US-09-580-156D-42  
Sequence 42, Application US/09580156D  
GENERAL INFORMATION:  
APPLICANT: Lawrence, Sandberg B.  
APPLICANT: Thomas, Mltis F.  
TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND USES THEREOF  
FILE REFERENCE: 25812-5C1P  
CURRENT APPLICATION NUMBER: US/09/580,156D  
CURRENT FILING DATE: 2000-05-30  
PRIOR APPLICATION NUMBER: 09/039,308  
PRIOR FILING DATE: 1998-03-13  
PRIOR APPLICATION NUMBER: PCT/US99/05496  
PRIOR FILING DATE: 1999-03-12  
NUMBER OF SEQ ID NOS: 54  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 42  
LENGTH: 4  
TYPE: PRT  
ORGANISM: Artificial  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: peptide  
FEATURE:  
NAME/KEY: MOD RES  
LOCATION: (1)-(1)  
OTHER INFORMATION: ACETYLTATION  
US-09-580-156D-42

Query Match 100.0%; Score 20; DB 5; Length 4;  
Best Local Similarity 100.0%; Pred. No. 6e+05;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVPQ 4  
Db 1 VVPQ 4

RESULT 11  
US-09-580-156D-43  
Sequence 43, Application US/09580156D  
GENERAL INFORMATION:  
APPLICANT: Lawrence, Sandberg B.  
APPLICANT: Thomas, Mltis F.  
TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND USES THEREOF  
FILE REFERENCE: 25812-5C1P  
CURRENT APPLICATION NUMBER: US/09/580,156D  
CURRENT FILING DATE: 2000-05-30  
PRIOR APPLICATION NUMBER: 09/039,308  
PRIOR FILING DATE: 1998-03-13  
PRIOR APPLICATION NUMBER: PCT/US99/05496  
PRIOR FILING DATE: 1999-03-12  
NUMBER OF SEQ ID NOS: 54  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 43

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LENGTH: 4
TYPE: PRT
ORGANISM: Artificial
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: peptide
NAME/KEY: MOD_RES
LOCATION: (1)..(1)
OTHER INFORMATION: ACETYLATION
US-09-580-156D-43
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Query Match
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Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 VVPQ 4
Db 1 VVPQ 4
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RESULT 12
US-09-580-893C-45
Sequence 45, Application US/09580893C
GENERAL INFORMATION:
APPLICANT: SANDBERG, LAWRENCE B
APPLICANT: MITTS, THOMAS F
APPLICANT: JIMENEZ JR, FELIPE
TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS
FILE REFERENCE: 00-144-US
CURRENT APPLICATION NUMBER: US/09/580,893C
CURRENT FILING DATE: 2002-10-08
NUMBER OF SEQ ID NOS: 75
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 45
LENGTH: 5
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Peptide
NAME/KEY: PEPTIDE
LOCATION: (1)..(5)
US-09-580-893C-45
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Query Match
Best Local Similarity 100.0%; Score 20; DB 5; Length 5;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 VVPQ 4
Db 2 VVPQ 5
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RESULT 13
US-09-580-893C-47
Sequence 47, Application US/09580893C
GENERAL INFORMATION:
APPLICANT: SANDBERG, LAWRENCE B
APPLICANT: MITTS, THOMAS F
APPLICANT: JIMENEZ JR, FELIPE
TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS
FILE REFERENCE: 00-144-US
CURRENT APPLICATION NUMBER: US/09/580,893C
CURRENT FILING DATE: 2002-10-08
NUMBER OF SEQ ID NOS: 75
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 47
LENGTH: 5
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Peptide
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NAME/KEY: MOD_RES
LOCATION: (5)_RES
OTHER INFORMATION: AMIDATION
US-09-580-893C-47
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Query Match
Best Local Similarity 100.0%; Score 20; DB 5; Length 5;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 VVPQ 4
Db 2 VVPQ 5
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RESULT 14
US-09-580-893D-45
Sequence 45, Application US/09580893D
GENERAL INFORMATION:
APPLICANT: SANDBERG, LAWRENCE B
APPLICANT: MITTS, THOMAS F
APPLICANT: JIMENEZ JR, FELIPE
TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS
FILE REFERENCE: 00-144-US
CURRENT APPLICATION NUMBER: US/09/580,893D
CURRENT FILING DATE: 2002-10-08
NUMBER OF SEQ ID NOS: 75
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 45
LENGTH: 5
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Peptide
NAME/KEY: PEPTIDE
LOCATION: (1)..(5)
US-09-580-893D-45
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Query Match
Best Local Similarity 100.0%; Score 20; DB 5; Length 5;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 VVPQ 4
Db 2 VVPQ 5
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RESULT 15
US-09-580-893D-47
Sequence 47, Application US/09580893D
GENERAL INFORMATION:
APPLICANT: SANDBERG, LAWRENCE B
APPLICANT: MITTS, THOMAS F
APPLICANT: JIMENEZ JR, FELIPE
TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS
FILE REFERENCE: 00-144-US
CURRENT APPLICATION NUMBER: US/09/580,893D
CURRENT FILING DATE: 2002-10-08
NUMBER OF SEQ ID NOS: 75
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 47
LENGTH: 5
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Peptide
NAME/KEY: MOD_RES
LOCATION: (5)_RES
OTHER INFORMATION: AMIDATION
US-09-580-893D-47
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Query Match
Best Local Similarity 100.0%; Score 20; DB 5; Length 5;
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Best Local Similarity 100.0%; Pred. No. 6e+05;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 VVPQ 4  
Db 2 VVPQ 5

Search completed: April 16, 2003, 09:50:47  
Job time : 16 secs

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GenCore version 5.1.4.p5.4578  
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OM protein - protein search, using sw model

Run on: April 16, 2003, 09:38:56 ; Search time 8 Seconds  
(without alignments)  
37.807 Million cell updates/sec

Title: US-09-580-156D-42

Perfect score: 20

Sequence: 1 VVPQ 4

Scoring table: BLOSUM62

Gapop 10.0, Gapext 0.5

Searched: 288829 seqs, 7561385 residues

Total number of hits satisfying chosen parameters: 288829

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA:\*

- 1: /cgn2\_6/ptodata/1/pubppaa/US08\_NEW\_PUB pep:\*
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- 5: /cgn2\_6/ptodata/1/pubppaa/US07\_PUBCOMB pep:\*
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- 14: /cgn2\_6/ptodata/1/pubppaa/US60\_PUBCOMB pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	20	100.0	15	9	US-09-826-290-7
2	20	100.0	31	9	US-09-997-331-24
3	20	100.0	38	10	US-09-864-761-34467
4	20	100.0	59	9	US-09-796-692-867
5	20	100.0	60	9	US-09-866-050A-164
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8	20	100.0	69	9	US-09-884-456-74
9	20	100.0	74	9	US-09-813-153-108
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23	20	100.0	160	9	US-10-078-090-118	Sequence 39071, A
24	20	100.0	162	10	US-09-864-761-39071	Sequence 185, App
25	20	100.0	179	10	US-09-747-155-185	Sequence 9, Appl
26	20	100.0	179	10	US-09-782-980-9	Sequence 133, App
27	20	100.0	160	10	US-09-771-730-133	Sequence 18, Appl
28	20	100.0	169	9	US-09-905-291A-18	Sequence 18, Appl
29	20	100.0	169	9	US-09-902-853-18	Sequence 18, Appl
30	20	100.0	169	9	US-09-907-824-18	Sequence 18, Appl
31	20	100.0	169	9	US-09-907-841-18	Sequence 18, Appl
32	20	100.0	169	9	US-09-904-011-18	Sequence 18, Appl
33	20	100.0	169	9	US-09-906-742-18	Sequence 18, Appl
34	20	100.0	169	9	US-09-906-838-18	Sequence 18, Appl
35	20	100.0	169	9	US-09-907-613-18	Sequence 18, Appl
36	20	100.0	169	9	US-09-907-942-18	Sequence 18, Appl
37	20	100.0	169	9	US-09-904-820-18	Sequence 18, Appl
38	20	100.0	169	9	US-09-904-859-18	Sequence 18, Appl
39	20	100.0	169	9	US-09-909-204-18	Sequence 18, Appl
40	20	100.0	169	9	US-09-904-786-18	Sequence 18, Appl
41	20	100.0	169	9	US-09-906-646-18	Sequence 18, Appl
42	20	100.0	169	9	US-09-906-700-18	Sequence 18, Appl
43	20	100.0	169	9	US-09-902-903-18	Sequence 18, Appl
44	20	100.0	169	9	US-09-903-749A-18	Sequence 18, Appl
45	20	100.0	169	9	US-09-903-786-18	Sequence 18, Appl

#### ALIGNMENTS

##### RESULT 1

US-09-826-290-7  
Sequence 7, Application US/09826290  
Patent No. US2002016468A1  
GENERAL INFORMATION:  
APPLICANT: Durham, L. Kathryn  
APPLICANT: Friedmann, David L.  
APPLICANT: Herath, Herath Mudiyanseelaje Athula Chandrasiri  
APPLICANT: Kimmel, Lida H.  
APPLICANT: Parekh, Rajesh Bhikhu  
APPLICANT: Potter, David M.  
APPLICANT: Rohlf, Christian  
APPLICANT: Silber, B. Michael  
APPLICANT: Stiger, Thomas R.  
APPLICANT: Sunderland, P. Trey  
APPLICANT: Townsend, Robert Reid  
APPLICANT: White, Prost  
APPLICANT: Williams, Stephen A.  
TITLE OF INVENTION: Nucleic Acid Molecules, Polypeptides and  
TITLE OF INVENTION: Uses Thereof, Including Diagnosis and Treatment of  
FILE REFERENCE: 2572-1-001 N2  
CURRENT APPLICATION NUMBER: US/09/826,290  
CURRENT FILING DATE: 2001-04-30  
PRIOR APPLICATION NUMBER: US 60/194,504  
PRIOR FILING DATE: 2000-04-03  
PRIOR APPLICATION NUMBER: US 60/253,647  
PRIOR FILING DATE: 2000-11-28  
NUMBER OF SEQ ID NOS: 492  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 7  
LENGTH: 15  
TYPE: PRT  
ORGANISM: homo sapien  
US-09-826-290-7

Query Match 100.0%; Score 20; DB 9; Length 15;  
Best Local Similarity 100.0%; Pred. No. 7;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
1 VVPQ 4  
||||

Db 8 VWPQ 11

RESULT 2

US-09-992-331-24

Sequence 24, Application US/09992331

Publication No. US20030022186A1

GENERAL INFORMATION:

APPLICANT: FEDER, JOHN N.

APPLICANT: MINTIER, GABE

APPLICANT: RAMANATHAN, CHANDRA S.

APPLICANT: HAWKEN, DONALD R.

TITLE OF INVENTION: A NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR, HGRBW18

TITLE OF INVENTION: EXPRESSED HIGHLY IN PITUITARY GLAND AND COLON CARCINOMA

TITLE OF INVENTION: CELLS

FILE REFERENCE: D0048NP

CURRENT APPLICATION NUMBER: US/09/992,331

PRIOR FILING DATE: 2001-11-14

PRIOR APPLICATION NUMBER: 60/308,540

PRIOR FILING DATE: 2001-07-27

PRIOR APPLICATION NUMBER: 60/261,782

PRIOR FILING DATE: 2001-01-16

PRIOR APPLICATION NUMBER: 60/248,483

PRIOR FILING DATE: 2000-11-14

NUMBER OF SEQ ID NOS: 45

SOFTWARE: Patencin Ver. 2.1

SEQ ID NO 24

LENGTH: 31

TYPE: PRT

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Description of Artificial Sequence: Synthesized

OTHER INFORMATION: peptide

US-09-992-331-24

Query Match

Best Local Similarity 100.0%; Score 20; DB 9; Length 31;

Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VWPQ 4

Db 2 VWPQ 5

RESULT 3

US-09-864-761-34467

Sequence 34467, Application US/09864761

Patent No. US20020048763A1

GENERAL INFORMATION:

APPLICANT: Penn, Sharon G.

APPLICANT: Rank, David R.

APPLICANT: Hanzel, David K.

APPLICANT: Chen, Wensheng

TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR

TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY

FILE REFERENCE: Aecm1ca-X-1

CURRENT APPLICATION NUMBER: US/09/864,761

PRIOR FILING DATE: 2001-05-23

PRIOR APPLICATION NUMBER: US 60/180,312

PRIOR FILING DATE: 2000-02-04

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR FILING DATE: 2000-05-26

PRIOR APPLICATION NUMBER: US 09/632,366

PRIOR FILING DATE: 2000-08-03

PRIOR APPLICATION NUMBER: GB 24263,6

PRIOR FILING DATE: 2000-10-04

PRIOR APPLICATION NUMBER: US 60/236,359

PRIOR FILING DATE: 2000-09-27

PRIOR APPLICATION NUMBER: PCT/US01/00666

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00667

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00664

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00669

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00665

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00668

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00663

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00662

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00661

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00670

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: US 60/234,687

PRIOR FILING DATE: 2000-09-21

PRIOR APPLICATION NUMBER: US 09/608,408

PRIOR FILING DATE: 2000-06-30

PRIOR APPLICATION NUMBER: US 09/774,203

PRIOR FILING DATE: 2001-01-29

NUMBER OF SEQ ID NOS: 49117

SOFTWARE: Annomax Sequence Listing Engine vers. 1.1

SEQ ID NO 34467

LENGTH: 38

TYPE: PRT

ORGANISM: Homo sapiens

FEATURE:

OTHER INFORMATION: MAP TO AC007179.3

OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.91

OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 1.3

OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.2

OTHER INFORMATION: EXPRESSED IN PETAL LIVER, SIGNAL = 0.79

OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1

OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.2

OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.79

OTHER INFORMATION: EXPRESSED IN HEL100, SIGNAL = 1.3

OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.7

OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.6

OTHER INFORMATION: EST\_HUMAN HIT: Z40902.1, EVALUE 3.20e+00

US-09-864-761-34467

Query Match

Best Local Similarity 100.0%; Score 20; DB 10; Length 38;

Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VWPQ 4

Db 25 VWPQ 28

RESULT 4

US-09-796-692-867

Sequence 867, Application US/09796692

Publication No. US20020198362A1

GENERAL INFORMATION:

APPLICANT: Gaiger, Alexander

APPLICANT: Algate, Paul A.

APPLICANT: Mannion, Jane

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DETECTION, DIAGNOSIS AND THERAPY

TITLE OF INVENTION: HEMATOLOGICAL MALIGNANCIES

FILE REFERENCE: 2077.001200

CURRENT APPLICATION NUMBER: US/09/796,692

PRIOR FILING DATE: 2001-03-01

PRIOR APPLICATION NUMBER: 60/186,126

PRIOR FILING DATE: 2000-03-01

PRIOR APPLICATION NUMBER: 60/190,479

PRIOR FILING DATE: 2000-03-17

PRIOR APPLICATION NUMBER: 60/200,545

PRIOR FILING DATE: 2000-04-27

PRIOR APPLICATION NUMBER: 60/200,303

PRIOR FILING DATE: 2000-04-28

PRIOR APPLICATION NUMBER: 60/200,779



```
;; PRIOR FILING DATE: 2000-04-28
;; PRIOR APPLICATION NUMBER: 60/200,999
;; PRIOR FILING DATE: 2000-05-01
;; PRIOR APPLICATION NUMBER: 60/202,084
;; PRIOR FILING DATE: 2000-05-04
;; PRIOR APPLICATION NUMBER: 60/206,201
;; PRIOR FILING DATE: 2000-05-22
;; PRIOR APPLICATION NUMBER: 60/218,950
;; PRIOR FILING DATE: 2000-07-14
;; PRIOR APPLICATION NUMBER: 60/222,903
;; PRIOR FILING DATE: 2000-08-03
;; PRIOR APPLICATION NUMBER: 60/223,416
;; PRIOR FILING DATE: 2000-08-04
;; PRIOR APPLICATION NUMBER: 60/223,378
;; PRIOR FILING DATE: 2000-08-07
;; SOFTWARE: FastSeq for Windows Version 3.0
;; SEQ ID NO 867
;; LENGTH: 59
;; TYPE: PRT
;; ORGANISM: Homo sapiens
US-09-796-692-867
```

```
Query Match          100.0%; Score 20; DB 9; Length 59;
Best Local Similarity 100.0%; Pred. No. 3.1e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Oy 1 VVPQ 4
Db 4 VVPQ 7
```

## RESULT 5

```
US-09-796-692-1031
;; Sequence 1031, Application US/09796692
;; Publication No. US20020198362A1
;; GENERAL INFORMATION:
;; APPLICANT: Gaiger, Alexander
;; APPLICANT: Algate, Paul A.
;; APPLICANT: Mannion, Jane
;; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DETECTION, DIAGNOSIS AND THERAPY
;; TITLE OF INVENTION: HEMATOLOGICAL MALIGNANCIES
;; FILE REFERENCE: 2077, 001200
;; CURRENT APPLICATION NUMBER: US/09/796,692
;; CURRENT FILING DATE: 2001-03-01
;; PRIOR APPLICATION NUMBER: 60/186,126
;; PRIOR FILING DATE: 2000-03-01
;; PRIOR APPLICATION NUMBER: 60/190,479
;; PRIOR FILING DATE: 2000-03-17
;; PRIOR APPLICATION NUMBER: 60/200,545
;; PRIOR FILING DATE: 2000-04-27
;; PRIOR APPLICATION NUMBER: 60/200,303
;; PRIOR FILING DATE: 2000-04-28
;; PRIOR APPLICATION NUMBER: 60/200,779
;; PRIOR FILING DATE: 2000-04-28
;; PRIOR APPLICATION NUMBER: 60/200,999
;; PRIOR FILING DATE: 2000-05-01
;; PRIOR APPLICATION NUMBER: 60/202,084
;; PRIOR FILING DATE: 2000-05-04
;; PRIOR APPLICATION NUMBER: 60/206,201
;; PRIOR FILING DATE: 2000-05-22
;; PRIOR APPLICATION NUMBER: 60/218,950
;; PRIOR FILING DATE: 2000-07-14
;; PRIOR APPLICATION NUMBER: 60/222,903
;; PRIOR FILING DATE: 2000-08-03
;; PRIOR APPLICATION NUMBER: 60/223,416
;; PRIOR FILING DATE: 2000-08-04
;; PRIOR APPLICATION NUMBER: 60/223,378
;; PRIOR FILING DATE: 2000-08-07
;; SOFTWARE: FastSeq for Windows Version 3.0
;; SEQ ID NO 1031
;; LENGTH: 60
```

```
;; TYPE: PRT
;; ORGANISM: Homo sapiens
US-09-796-692-1031
```

```
Query Match          100.0%; Score 20; DB 9; Length 60;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Oy 1 VVPQ 4
Db 5 VVPQ 8
```

## RESULT 6

```
US-09-866-050A-164
;; Sequence 164, Application US/09866050A
;; Publication No. US20030040471A1
;; GENERAL INFORMATION:
;; APPLICANT: Watson, James D.
;; APPLICANT: Strachan, Lorna
;; APPLICANT: Steeman, Matthew
;; APPLICANT: Onrust, Rene
;; APPLICANT: Marison, James G.
;; APPLICANT: Kumble, Krishanand D.
;; TITLE OF INVENTION: Compositions and Methods for Their Use
;; TITLE OF INVENTION: Isolated From Skin Cells
;; FILE REFERENCE: 1100, 101441
;; CURRENT APPLICATION NUMBER: US/09/866,050A
;; CURRENT FILING DATE: 2001-05-24
;; NUMBER OF SEQ ID NOS: 725
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 164
;; LENGTH: 60
;; TYPE: PRT
;; ORGANISM: Rat
US-09-866-050A-164
```

```
Query Match          100.0%; Score 20; DB 9; Length 60;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Oy 1 VVPQ 4
Db 19 VVPQ 22
```

## RESULT 7

```
US-09-796-692-935
;; Sequence 935, Application US/09796692
;; Publication No. US20020198362A1
;; GENERAL INFORMATION:
;; APPLICANT: Gaiger, Alexander
;; APPLICANT: Algate, Paul A.
;; APPLICANT: Mannion, Jane
;; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DETECTION, DIAGNOSIS AND THERAPY
;; TITLE OF INVENTION: HEMATOLOGICAL MALIGNANCIES
;; FILE REFERENCE: 2077, 001200
;; CURRENT APPLICATION NUMBER: US/09/796,692
;; CURRENT FILING DATE: 2001-03-01
;; PRIOR APPLICATION NUMBER: 60/186,126
;; PRIOR FILING DATE: 2000-03-01
;; PRIOR APPLICATION NUMBER: 60/190,479
;; PRIOR FILING DATE: 2000-03-17
;; PRIOR APPLICATION NUMBER: 60/200,545
;; PRIOR FILING DATE: 2000-04-27
;; PRIOR APPLICATION NUMBER: 60/200,303
;; PRIOR FILING DATE: 2000-04-28
;; PRIOR APPLICATION NUMBER: 60/200,779
;; PRIOR FILING DATE: 2000-04-28
;; PRIOR APPLICATION NUMBER: 60/200,999
;; PRIOR FILING DATE: 2000-05-01
;; PRIOR APPLICATION NUMBER: 60/202,084
;; PRIOR FILING DATE: 2000-05-04
```

```
; PRIOR APPLICATION NUMBER: 60/206,201
; PRIOR FILING DATE: 2000-05-22
; PRIOR APPLICATION NUMBER: 60/218,950
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: 60/222,903
; PRIOR FILING DATE: 2000-08-03/223,416
; PRIOR APPLICATION NUMBER: 60/223,416
; PRIOR FILING DATE: 2000-08-04
; PRIOR APPLICATION NUMBER: 60/223,378
; PRIOR FILING DATE: 2000-08-07
; NUMBER OF SEQ ID NOS: 9597
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 935
; LENGTH: 61
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-796-692-935
```

```
Query Match          100.0%; Score 20; DB 9; Length 61;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 VVPO 4
    |||
Db 6 VVPO 9
```

```
RESULT 8
US-09-867-550-118
; Sequence 118, Application US/09867550
; Patent No. US20020082206A1
; GENERAL INFORMATION:
; APPLICANT: Leach, Martin D.
; APPLICANT: Mehraban, Foad,
; APPLICANT: Conley, Pamela
; APPLICANT: Law, Debbie
; APPLICANT: Topper, James
; TITLE OF INVENTION: No. US20020082206A1 Polynucleotides from Atherogenic Cells and
; FILE REFERENCE: 21402-013 (Cura-313)
; CURRENT APPLICATION NUMBER: US/09/867,550
; CURRENT FILING DATE: 2001-09-20
; PRIOR APPLICATION NUMBER: USSN 60/208,427
; PRIOR FILING DATE: 2000-05-30
; NUMBER OF SEQ ID NOS: 2125
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 118
; LENGTH: 65
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-867-550-118
```

```
Query Match          100.0%; Score 20; DB 10; Length 65;
Best Local Similarity 100.0%; Pred. No. 3.4e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 VVPO 4
    |||
Db 4 VVPO 7
```

```
RESULT 9
US-09-884-456-74
; Sequence 74, Application US/09884456
; Publication No. US20030027317A1
; GENERAL INFORMATION:
; APPLICANT: Houghton, Michael
; APPLICANT: Choo, Qui-Jim
; APPLICANT: Kuo, George
; TITLE OF INVENTION: Hepatitis C virus protease
; FILE REFERENCE: 223002010005
; CURRENT APPLICATION NUMBER: US/09/884,456
; CURRENT FILING DATE: 2001-06-18
```

```
; PRIOR APPLICATION NUMBER: 09/253,230
; PRIOR FILING DATE: 1999-02-19
; PRIOR APPLICATION NUMBER: 08/709,177
; PRIOR FILING DATE: 1996-09-06
; PRIOR APPLICATION NUMBER: 08/440,548
; PRIOR FILING DATE: 1995-05-12
; PRIOR APPLICATION NUMBER: 08/350,884
; PRIOR FILING DATE: 1994-12-06
; PRIOR APPLICATION NUMBER: 07/680,296
; PRIOR FILING DATE: 1991-04-04
; PRIOR APPLICATION NUMBER: 07/505,433
; PRIOR FILING DATE: 1990-04-04
; NUMBER OF SEQ ID NOS: 90
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 74
; LENGTH: 69
; TYPE: PRT
; ORGANISM: Hepatitis C virus
US-09-884-456-74
```

```
Query Match          100.0%; Score 20; DB 9; Length 69;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 VVPO 4
    |||
Db 54 VVPO 57
```

```
RESULT 10
US-09-813-153-108
; Sequence 108, Application US/09813153
; Publication No. US20030045459A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 67 Human secreted proteins
; FILE REFERENCE: P2023
; CURRENT APPLICATION NUMBER: US/09/813,153
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: US/09/363,044
; PRIOR FILING DATE: 1999-07-29
; PRIOR APPLICATION NUMBER: 60/073,160
; PRIOR FILING DATE: 1998-01-30
; PRIOR APPLICATION NUMBER: 60/073,159
; PRIOR FILING DATE: 1998-01-30
; PRIOR APPLICATION NUMBER: 60/073,165
; PRIOR FILING DATE: 1998-01-30
; PRIOR APPLICATION NUMBER: 60/073,164
; PRIOR FILING DATE: 1998-01-30
; PRIOR APPLICATION NUMBER: 60/073,167
; PRIOR FILING DATE: 1998-01-30
; PRIOR APPLICATION NUMBER: 60/073,162
; PRIOR FILING DATE: 1998-01-30
; PRIOR APPLICATION NUMBER: 60/073,161
; PRIOR FILING DATE: 1998-01-30
; PRIOR APPLICATION NUMBER: 60/073,170
; PRIOR FILING DATE: 1998-01-30
; NUMBER OF SEQ ID NOS: 298
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 108
; LENGTH: 74
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (74)
; OTHER INFORMATION: Xaa equals stop translation
US-09-813-153-108
```

```
Query Match          100.0%; Score 20; DB 9; Length 74;
Best Local Similarity 100.0%; Pred. No. 4e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

OY 1 VFPQ 4  
Db 47 VFPQ 50

RESULT 11

US-09-925-299-779  
; Sequence 779, Application US/09925299  
; Publication No. US20030040617A9  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies  
; FILE REFERENCE: PA102  
; CURRENT APPLICATION NUMBER: US/09/925,299  
; CURRENT FILING DATE: 2001-08-10  
; PRIOR APPLICATION NUMBER: PCT/US00/05883  
; PRIOR FILING DATE: 2000-03-08  
; PRIOR APPLICATION NUMBER: 60/124,270  
; PRIOR FILING DATE: 1999-03-12  
; NUMBER OF SEQ ID NOS: 1556  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 779  
; LENGTH: 111

;; TYPE: PRT  
;; ORGANISM: Homo sapiens  
;; FEATURE:  
;; NAME/KEY: SITE  
;; LOCATION: (88)  
;; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
;; NAME/KEY: SITE  
;; LOCATION: (91)  
;; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
;; NAME/KEY: SITE  
;; LOCATION: (94)  
;; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
;; NAME/KEY: SITE  
;; LOCATION: (98)  
;; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
;; NAME/KEY: SITE  
;; LOCATION: (101)  
;; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
;; NAME/KEY: SITE  
;; LOCATION: (103)  
;; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
;; NAME/KEY: SITE  
;; LOCATION: (106)  
;; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
;; NAME/KEY: SITE  
;; LOCATION: (107)  
;; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
;; NAME/KEY: SITE  
;; LOCATION: (108)  
;; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
US-09-925-299-779

Query Match 100.0%; Score 20; DB 9; Length 111;  
Best Local Similarity 100.0%; Pred. No. 6.1e+02;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 VFPQ 4  
Db 83 VFPQ 86

RESULT 12

US-09-864-761-38949  
; Sequence 38949, Application US/09864761  
; Patent No. US20020048763A1  
; GENERAL INFORMATION:  
; APPLICANT: Penn, Sharon G.  
; APPLICANT: Rank, David R.  
; APPLICANT: Hanzel, David K.  
; APPLICANT: Chen, Wensheng

;; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR  
;; FILE REFERENCE: X-1  
;; CURRENT APPLICATION NUMBER: US/09/864,761  
;; CURRENT FILING DATE: 2001-05-23  
;; PRIOR APPLICATION NUMBER: US 60/180,312  
;; PRIOR FILING DATE: 2000-02-04  
;; PRIOR APPLICATION NUMBER: US 60/207,456  
;; PRIOR FILING DATE: 2000-05-26  
;; PRIOR APPLICATION NUMBER: US 09/632,366  
;; PRIOR FILING DATE: 2000-08-03  
;; PRIOR APPLICATION NUMBER: GB 24263,6  
;; PRIOR FILING DATE: 2000-10-04  
;; PRIOR APPLICATION NUMBER: US 60/236,359  
;; PRIOR FILING DATE: 2000-09-27  
;; PRIOR APPLICATION NUMBER: PCT/US01/00666  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00667  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00664  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00669  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00665  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00668  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00663  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00662  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00661  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00670  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: US 60/234,587  
;; PRIOR FILING DATE: 2000-09-21  
;; PRIOR APPLICATION NUMBER: US 09/608,408  
;; PRIOR FILING DATE: 2000-06-30  
;; PRIOR APPLICATION NUMBER: US 09/774,203  
;; PRIOR FILING DATE: 2001-01-29  
;; NUMBER OF SEQ ID NOS: 49117  
;; SOFTWARE: Annonmax Sequence Listing Engine vers. 1.1  
;; SEQ ID NO 38949  
;; LENGTH: 111

;; TYPE: PRT  
;; ORGANISM: Homo sapiens  
;; FEATURE:  
;; OTHER INFORMATION: MAP TO AC004853.1  
;; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.7  
;; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.9  
;; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.6  
;; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.7  
;; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.5  
;; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.8  
;; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.7  
;; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.3  
;; OTHER INFORMATION: EST HUMAN HIT: A1278824.1, EVALUATE 2.00e-20  
;; OTHER INFORMATION: SWISSPROT HIT: Q13607, EVALUATE 1.00e-53  
US-09-864-761-38949

Query Match 100.0%; Score 20; DB 10; Length 111;  
Best Local Similarity 100.0%; Pred. No. 6.1e+02;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 VFPQ 4  
Db 71 VFPQ 74

RESULT 13  
US-09-925-299-779  
; Sequence 779, Application US/09925299

Patent No. US20020055627A1  
GENERAL INFORMATION:  
APPLICANT: Rosen et al.  
TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies  
FILE REFERENCE: PA102  
CURRENT APPLICATION NUMBER: US/09/925,299  
PRIORITY FILING DATE: 2001-08-10  
PRIORITY APPLICATION NUMBER: PCT/US00/05883  
PRIORITY FILING DATE: 2000-03-08  
PRIORITY APPLICATION NUMBER: 60/124,270  
PRIORITY FILING DATE: 1999-03-12  
NUMBER OF SEQ ID NOS: 1556  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 779  
LENGTH: 111  
TYPE: PRT  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: SITE  
LOCATION: (88)  
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
NAME/KEY: SITE  
LOCATION: (91)  
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
NAME/KEY: SITE  
LOCATION: (94)  
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
NAME/KEY: SITE  
LOCATION: (98)  
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
NAME/KEY: SITE  
LOCATION: (101)  
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
NAME/KEY: SITE  
LOCATION: (103)  
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
NAME/KEY: SITE  
LOCATION: (106)  
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
NAME/KEY: SITE  
LOCATION: (107)  
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
NAME/KEY: SITE  
LOCATION: (108)  
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
US-09-925-299-779  
Query Match  
Best Local Similarity 100.0%; Score 20; DB 10; Length 111;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 VWPQ 4  
Db 83 VWPQ 86  
RESULT 14  
US-10-004-717-50  
Sequence 50, Application US/10004717  
Publication No. US20020192665A1  
GENERAL INFORMATION:  
APPLICANT: ZOGHEI, HUDA Y.  
APPLICANT: YANG, QI  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPEUTIC USE OF AN  
TITLE OF INVENTION: ATONAL ASSOCIATED SEQUENCE FOR DEAFNESS,  
TITLE OF INVENTION: OSTEOARTHRITIS, AND ABNORMAL CELL PROLIFERATION  
FILE REFERENCE: P01899US4  
CURRENT APPLICATION NUMBER: US/10/004,717  
CURRENT FILING DATE: 2002-08-16  
PRIORITY APPLICATION NUMBER: 09/585,645  
PRIORITY FILING DATE: 2000-06-01  
PRIORITY APPLICATION NUMBER: 60/176,993  
PRIORITY FILING DATE: 2000-01-19

PRIORITY APPLICATION NUMBER: 60/137,060  
PRIORITY FILING DATE: 1999-06-01  
NUMBER OF SEQ ID NOS: 69  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 50  
LENGTH: 138  
TYPE: PRT  
ORGANISM: Frog  
US-10-004-717-50  
Query Match  
Best Local Similarity 100.0%; Score 20; DB 9; Length 138;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 VWPQ 4  
Db 59 VWPQ 62  
RESULT 15  
US-10-004-717-52  
Sequence 52, Application US/10004717  
Publication No. US20020192665A1  
GENERAL INFORMATION:  
APPLICANT: ZOGHEI, HUDA Y.  
APPLICANT: YANG, QI  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPEUTIC USE OF AN  
TITLE OF INVENTION: ATONAL ASSOCIATED SEQUENCE FOR DEAFNESS,  
TITLE OF INVENTION: OSTEOARTHRITIS, AND ABNORMAL CELL PROLIFERATION  
FILE REFERENCE: P01899US4  
CURRENT APPLICATION NUMBER: US/10/004,717  
CURRENT FILING DATE: 2002-08-16  
PRIORITY APPLICATION NUMBER: 09/585,645  
PRIORITY FILING DATE: 2000-06-01  
PRIORITY APPLICATION NUMBER: 60/176,993  
PRIORITY FILING DATE: 2000-01-19  
PRIORITY APPLICATION NUMBER: 60/137,060  
PRIORITY FILING DATE: 1999-06-01  
NUMBER OF SEQ ID NOS: 69  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 52  
LENGTH: 138  
TYPE: PRT  
ORGANISM: Frog  
US-10-004-717-52  
Query Match  
Best Local Similarity 100.0%; Score 20; DB 9; Length 138;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 VWPQ 4  
Db 59 VWPQ 62

Search completed: April 16, 2003, 09:51:40  
Job time : 9 secs

GenCore version 5.1.4 p5 4578  
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OM protein - protein search, using sw model

Run on: April 16, 2003, 09:32:02 ; Search time 6.95652 Seconds  
(without alignments)  
16.918 Million cell updates/sec

Title: US-09-580-156D-42

Perfect score: 20

Sequence: 1 VWPQ 4

Scoring table: BLOSUM62

Searched: Gapop 10.0, Gapext 0.5

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-Processing: Minimum Match 0%

Maximum Match 100%

Database: Issued Patents AA:\*

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2: /cgn2\_6/prodata/1/aa/5B\_COMB.pep:.\*  
3: /cgn2\_6/prodata/1/aa/5C\_COMB.pep:.\*  
4: /cgn2\_6/prodata/1/aa/5D\_COMB.pep:.\*  
5: /cgn2\_6/prodata/1/aa/5E\_COMB.pep:.\*  
6: /cgn2\_6/prodata/1/aa/backfile1.pep:.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	20	100.0	4	3	US-09-039-308A-17
2	20	100.0	5	1	US-08-233-788A-1
3	20	100.0	8	4	US-08-444-818-409
4	20	100.0	12	1	US-08-548-540-129
5	20	100.0	12	5	PCT-US96-09809-129
6	20	100.0	16	1	US-09-500-651-4
7	20	100.0	16	2	US-08-813-591-4
8	20	100.0	21	1	US-07-946-054-5
9	20	100.0	21	5	PCT-US93-08638-5
10	20	100.0	29	1	US-08-262-037-51
11	20	100.0	36	1	US-08-262-037-52
12	20	100.0	41	1	US-08-262-037-48
13	20	100.0	48	1	US-08-262-037-53
14	20	100.0	49	5	PCT-US92-07813-6
15	20	100.0	54	1	US-08-262-037-54
16	20	100.0	55	1	US-08-262-037-49
17	20	100.0	60	4	US-09-188-930-164
18	20	100.0	66	1	US-08-262-037-50
19	20	100.0	66	3	US-08-912-272-29
20	20	100.0	66	3	US-09-026-039-29
21	20	100.0	69	1	US-08-350-884-74
22	20	100.0	69	1	US-08-709-173-74
23	20	100.0	69	2	US-08-709-177-74
24	20	100.0	71	2	US-08-726-306A-37
25	20	100.0	77	2	US-08-726-306A-54
26	20	100.0	93	2	US-08-341-843B-38
27	20	100.0	93	2	US-08-427-497E-43

28	20	100.0	93	4	US-08-928-383B-19	Sequence 19, Appl
29	20	100.0	117	1	US-08-262-037-58	Sequence 58, Appl
30	20	100.0	120	1	US-08-233-788A-57	Sequence 57, Appl
31	20	100.0	140	3	US-08-911-853-11	Sequence 11, Appl
32	20	100.0	140	4	US-09-479-409-11	Sequence 11, Appl
33	20	100.0	140	4	US-09-479-453-11	Sequence 11, Appl
34	20	100.0	151	1	US-08-233-788A-59	Sequence 59, Appl
35	20	100.0	179	4	US-08-884-077-4	Sequence 4, Appl
36	20	100.0	201	4	US-08-506-2965-55	Sequence 55, Appl
37	20	100.0	206	4	US-09-040-981-2	Sequence 2, Appl
38	20	100.0	207	4	US-08-884-077-6	Sequence 6, Appl
39	20	100.0	221	4	US-09-071-035-224	Sequence 224, Appl
40	20	100.0	241	2	US-08-825-781-3	Sequence 3, Appl
41	20	100.0	241	2	US-08-825-781-4	Sequence 4, Appl
42	20	100.0	252	4	US-08-858-207A-375	Sequence 325, Appl
43	20	100.0	257	3	US-08-728-603-19	Sequence 19, Appl
44	20	100.0	263	2	US-08-892-690-3	Sequence 3, Appl
45	20	100.0	266	4	US-08-444-818-32	Sequence 32, Appl

## ALIGNMENTS

RESULT 1  
US-09-039-308A-17  
Sequence 17, Application US/09039308A  
Patent No. 6069129  
GENERAL INFORMATION:  
APPLICANT: Sandberg, Lawrence; Roos, Phillip;  
TITLE OF INVENTION: ELASTIN DERIVED COMPOSITION  
TITLE OF INVENTION: AND METHOD OF  
TITLE OF INVENTION: USING SAME  
NUMBER OF SEQUENCES: 41  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: REED SMITH SHAW & MCCRAY, LLP  
STREET: PO Box 488  
City: Pittsburgh  
STATE: Pennsylvania  
COUNTRY: USA  
ZIP: 15230  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.5 inch, 1.44 Mb  
COMPUTER: Compaq  
OPERATING SYSTEM: Microsoft Windows 95  
SOFTWARE: Word 6.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/039,308A  
FILING DATE: March 13, 1998  
CLASSIFICATION: 514  
ATTORNEY/AGENT INFORMATION:  
NAME: Miller, Raymond A.  
REGISTRATION NUMBER: 42,891  
REFERENCE/DOCKET NUMBER: 97-489  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (412) 288-4192  
TELEFAX: (412) 288-3300  
INFORMATION FOR SEQ ID NO: 17:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 4 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULAR TYPE: peptide  
US-09-039-308A-17  
Query Match 100.0%; Score 20; DB 3; Length 4;  
Best Local Similarity 100.0%; Pred. No. 2e+05; 0; Indels 0;  
Matches 4; Conservative 0; Mismatches 0;

RESULT 2  
US-08-233-788A-1  
Sequence 1, Application US/08233788A  
Patent No. 5635617  
GENERAL INFORMATION:  
APPLICANT: Doran, James L.  
APPLICANT: Kay, William W.  
APPLICANT: Collinson, Karen S.  
APPLICANT: Clouthier, Sharon C.  
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DETECTION  
TITLE OF INVENTION: OF SALMONELLA  
NUMBER OF SEQUENCES: 61  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Seed and Berry  
STREET: 6300 Columbia Center, 701 Fifth Avenue  
CITY: Seattle  
STATE: Washington  
COUNTRY: U.S.A.  
ZIP: 98104-7092  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/233,788A  
FILING DATE: 26-APR-1994  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: King, Joshua  
REGISTRATION NUMBER: 35,570  
REFERENCE/DOCKET NUMBER: 92043.403C2  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206) 622-4900  
TELEFAX: (206) 682-6031  
TELEX: 3723836 SREDNABERY  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 5 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
US-08-233-788A-1  
Query Match 100.0%; Score 26; DB 1; Length 5;  
Best Local Similarity 100.0%; Pred. No. 2e+05;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 VVPQ 4  
Db 2 VVPQ 5

OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/444,818  
FILING DATE:  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/403,590  
FILING DATE: 14-MAR-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Harbin, Alisha A.  
REGISTRATION NUMBER: 33,895  
REFERENCE/DOCKET NUMBER: 0110.002  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (508)359-3876  
TELEFAX: (508)359-3885  
INFORMATION FOR SEQ ID NO: 409:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 8 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-444-818-409  
Query Match 100.0%; Score 20; DB 4; Length 8;  
Best Local Similarity 100.0%; Pred. No. 2e+05;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 VVPQ 4  
Db 1 VVPQ 4

RESULT 4  
US-08-548-540-129  
Sequence 129, Application US/08548540  
Patent No. 5733731  
GENERAL INFORMATION:  
APPLICANT: Schatz, Peter J.  
APPLICANT: Cull, Miliard G.  
APPLICANT: Miller, Jeff F.  
APPLICANT: Stemmer, William P.C.  
APPLICANT: Gates, Christian M.  
TITLE OF INVENTION: Peptide Library and Screening Method  
NUMBER OF SEQUENCES: 162  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: William M. Smith  
STREET: One Market Plaza, Stewart Tower, Suite 2000  
CITY: San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94105  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/548,540  
FILING DATE: 26-OCT-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/290,641  
FILING DATE: 15-AUG-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/963,321  
FILING DATE: 15-OCT-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: Smith, William M.  
REGISTRATION NUMBER: 30,223  
REFERENCE/DOCKET NUMBER: 16528U-001240US  
TELECOMMUNICATION INFORMATION:

TELEPHONE: 415-326-2400  
TELEFAX: 415-326-2422  
INFORMATION FOR SEQ ID NO: 129:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 12 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-548-540-129

Query Match 100.0%; Score 20; DB 1; Length 12;  
Best Local Similarity 100.0%; Pred. No. 85;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVPO 4  
Db 4 VVPO 7

## RESULT 5

PCT-US96-09809-129  
Sequence 129, Application PC/TUS9609809  
GENERAL INFORMATION:  
APPLICANT: Schatz, Peter J.  
APPLICANT: Cull, Miliard G.  
APPLICANT: Miller, Jeff F.  
APPLICANT: Stemmer, Willem P.C.  
APPLICANT: Gates, Christian M.  
TITLE OF INVENTION: Peptide Library and Screening Method  
NUMBER OF SEQUENCES: 162  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: William M. Smith  
STREET: One Market Plaza, Stewart Tower, Suite 2000  
CITY: San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94105  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US96/09809  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/548,540  
FILING DATE: 26-OCT-1995  
APPLICATION NUMBER: US 08/290,641  
FILING DATE: 15-AUG-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/963,321  
FILING DATE: 15-OCT-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: Smith, William M.  
REGISTRATION NUMBER: 30,223  
REFERENCE/DOCKET NUMBER: 165805-001240US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415-326-2400  
TELEFAX: 415-326-2422  
INFORMATION FOR SEQ ID NO: 129:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 12 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
PCT-US96-09809-129

Query Match 100.0%; Score 20; DB 5; Length 12;  
Best Local Similarity 100.0%; Pred. No. 85;

Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 VVPO 4  
Db 4 VVPO 7

## RESULT 6

US-09-500-651-4  
Sequence 4, Application US/09500651  
GENERAL INFORMATION:  
APPLICANT: ASANO, MINAO  
APPLICANT: KAWAI, MISAKO  
APPLICANT: MIWA, TETSUYA  
APPLICANT: NIO, NORIKI  
TITLE OF INVENTION: AMINOPEPTIDASE GK, AND A METHOD OF  
NUMBER OF SEQUENCES: 8  
TITLE OF INVENTION: HYDROLYSING A PROTEIN WITH THE SAME  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: OHLON, SPIVAK, MCCLELLAND, MATER & NEUSTADT,  
ADDRESSEE: P.C.  
STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400  
CITY: ARLINGTON  
STATE: VA  
COUNTRY: USA  
ZIP: 22202  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/500,651  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/813,591  
FILING DATE:  
APPLICATION NUMBER: JP 030458/1997  
FILING DATE: 14-FEB-1997  
ATTORNEY/AGENT INFORMATION:  
NAME: OHLON, NORMAN F.  
REGISTRATION NUMBER: 24,618  
REFERENCE/DOCKET NUMBER: 10-845-0  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 703-413-3000  
TELEFAX: 703-413-2220  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 16 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-09-500-651-4

Query Match 100.0%; Score 20; DB 1; Length 16;  
Best Local Similarity 100.0%; Pred. No. 1,1e+02;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVPO 4  
Db 8 VVPO 11

## RESULT 7

US-08-813-591-4  
Sequence 4, Application US/08813591  
GENERAL INFORMATION:  
Patent No. 5824534  
APPLICANT: ASANO, MINAO  
APPLICANT: KAWAI, MISAKO

APPLICANT: MIMA, TETSUYA  
APPLICANT: NIO, NORIKI  
TITLE OF INVENTION: AMINOPEPTIDASE GX, AND A METHOD OF  
TITLE OF INVENTION: HYDROLYSING A PROTEIN WITH THE SAME  
NUMBER OF SEQUENCES: 8  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,  
STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400  
CITY: ARLINGTON  
STATE: VA  
COUNTRY: USA  
ZIP: 22202  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/613,591  
FILING DATE: 07-MAR-1997  
CLASSIFICATION: 530  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 051848/1996  
FILING DATE: 08-MAR-1996  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 030456/1997  
FILING DATE: 14-FEB-1997  
ATTORNEY/AGENT INFORMATION:  
NAME: OBLON, NORMAN F.  
REGISTRATION NUMBER: 24,618  
REFERENCE/DOCKET NUMBER: 10-845-0  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 703-413-3000  
TELEFAX: 703-413-2220  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 16 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-813-591-4

Query Match 100.0%; Score 20; DB 2; Length 16;  
Best Local Similarity 100.0%; Pred. No. 1.1e+02;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VFPQ 4  
Db 8 VFPQ 11

RESULT 8  
US-07-946-054-5  
Sequence 5, Application US/07946054  
Patent No. 5582968  
GENERAL INFORMATION:  
APPLICANT: Wang, Chang YI  
APPLICANT: Hosein, Barbara H  
TITLE OF INVENTION: No. 5582968e1 Branched Hybrid and Cluster  
TITLE OF INVENTION: Peptides Effective in Diagnosing and Detecting No. 5582968-A,  
TITLE OF INVENTION: No. 5582968-B Hepatitis  
NUMBER OF SEQUENCES: 12  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: United Biomedical Inc.  
STREET: 25 Davids Dr.  
CITY: Hauppauge  
STATE: New York  
COUNTRY: USA  
ZIP: 11788  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/946,054  
FILING DATE: 15-SEP-1992  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Wilson, M. Lisa  
REGISTRATION NUMBER: 34,045  
REFERENCE/DOCKET NUMBER: 2000  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 516-273-2828  
TELEFAX: 516-273-1717  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 21 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-07-946-054-5

Query Match 100.0%; Score 20; DB 1; Length 21;  
Best Local Similarity 100.0%; Pred. No. 1.5e+02;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VFPQ 4  
Db 2 VFPQ 5

RESULT 9  
PCT-US93-08638-5  
Sequence 5, Application PC/TUS9308638  
GENERAL INFORMATION:  
APPLICANT: United Biomedical Inc.  
TITLE OF INVENTION: Novel Branched Hybrid and Cluster Peptides  
TITLE OF INVENTION: Effective in Diagnosing and Detecting Non-A,  
NUMBER OF SEQUENCES: 12  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: UNITED BIOMEDICAL INC.  
STREET: 25 Davids Drive  
CITY: Hauppauge  
STATE: New York  
COUNTRY: USA  
ZIP: 11788  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US93/08638  
FILING DATE:  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: M. Lisa Wilson  
REGISTRATION NUMBER: 34,045  
REFERENCE/DOCKET NUMBER: 9055  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 516-273-2828  
TELEFAX: 516-273-1717  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 21 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
PCT-US93-08638-5

Query Match 100.0%; Score 20; DB 5; Length 21;



Best Local Similarity 100.0%; Pred. No. 1.5e+02;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 VWPQ 4  
Db 2 VWPQ 5

RESULT 10  
US-08-262-037-51

; Sequence 51, Application US/08262037  
; Patent No. 5747239  
; GENERAL INFORMATION:  
; APPLICANT: Chang Yi Wang and Barbara Hoeslin  
; TITLE OF INVENTION: SYNTHETIC PEPTIDES SPECIFIC FOR  
; TITLE OF INVENTION: THE DETECTION OF ANTIBODIES TO HCV, DIAGNOSIS OF HCV  
; TITLE OF INVENTION: INFECTION AND PREVENTION THEREOF AS VACCINES  
; NUMBER OF SEQUENCES: 136  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MORGAN & FINNEGAN  
; STREET: 345 PARK AVE.  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: USA  
; ZIP: 10154  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: FLOPPY DISK  
; COMPUTER: IBM PC COMPATIBLE  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: WORDPERFECT 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/262,037  
; FILING DATE:  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/719,819  
; FILING DATE: 24-June-1991  
; APPLICATION NUMBER: 07/667,275  
; FILING DATE: 11-Mar-1991  
; APPLICATION NUMBER: 07/651,735  
; FILING DATE: 07-Feb-1991  
; APPLICATION NUMBER: 07/558,799  
; FILING DATE: 26-July-1990  
; APPLICATION NUMBER: 07/510,153  
; FILING DATE: 16-April-1990  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Maria C. H. Lin  
; REGISTRATION NUMBER: 29,323  
; REFERENCE/DOCKET NUMBER: 1151-4043 US3  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 212-758-4800  
; TELEFAX: (212) 751-6849  
; TELEX: 421792  
; INFORMATION FOR SEQ ID NO: 51:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 29 amino acids  
; TYPE: Amino acid  
; STRANDEDNESS:  
; TOPOLOGY: Unknown  
; US-08-262-037-51

Query Match 100.0%; Score 20; DB 1; Length 29;  
Best Local Similarity 100.0%; Pred. No. 2.1e+02;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 VWPQ 4  
Db 2 VWPQ 5

RESULT 11  
US-08-262-037-52  
; Sequence 52, Application US/08262037

; Patent No. 5747239  
; GENERAL INFORMATION:

; APPLICANT: Chang Yi Wang and Barbara Hoeslin  
; TITLE OF INVENTION: SYNTHETIC PEPTIDES SPECIFIC FOR  
; TITLE OF INVENTION: THE DETECTION OF ANTIBODIES TO HCV, DIAGNOSIS OF HCV  
; TITLE OF INVENTION: INFECTION AND PREVENTION THEREOF AS VACCINES  
; NUMBER OF SEQUENCES: 136  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MORGAN & FINNEGAN  
; STREET: 345 PARK AVE.  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: USA  
; ZIP: 10154  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: FLOPPY DISK  
; COMPUTER: IBM PC COMPATIBLE  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: WORDPERFECT 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/262,037  
; FILING DATE:  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/719,819  
; FILING DATE: 24-June-1991  
; APPLICATION NUMBER: 07/667,275  
; FILING DATE: 11-Mar-1991  
; APPLICATION NUMBER: 07/651,735  
; FILING DATE: 07-Feb-1991  
; APPLICATION NUMBER: 07/558,799  
; FILING DATE: 26-July-1990  
; APPLICATION NUMBER: 07/510,153  
; FILING DATE: 16-April-1990  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Maria C. H. Lin  
; REGISTRATION NUMBER: 29,323  
; REFERENCE/DOCKET NUMBER: 1151-4043 US3  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 212-758-4800  
; TELEFAX: (212) 751-6849  
; TELEX: 421792  
; INFORMATION FOR SEQ ID NO: 52:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 36 amino acids  
; TYPE: Amino acid  
; STRANDEDNESS:  
; TOPOLOGY: Unknown  
; US-08-262-037-52

Query Match 100.0%; Score 20; DB 1; Length 36;  
Best Local Similarity 100.0%; Pred. No. 2.5e+02;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 VWPQ 4  
Db 9 VWPQ 12

RESULT 12  
US-08-262-037-48

; Sequence 48, Application US/08262037  
; Patent No. 5747239  
; GENERAL INFORMATION:  
; APPLICANT: Chang Yi Wang and Barbara Hoeslin  
; TITLE OF INVENTION: SYNTHETIC PEPTIDES SPECIFIC FOR  
; TITLE OF INVENTION: THE DETECTION OF ANTIBODIES TO HCV, DIAGNOSIS OF HCV  
; TITLE OF INVENTION: INFECTION AND PREVENTION THEREOF AS VACCINES  
; NUMBER OF SEQUENCES: 136  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MORGAN & FINNEGAN  
; STREET: 345 PARK AVE.  
; CITY: NEW YORK

STATE: NEW YORK  
COUNTRY: USA  
ZIP: 10154  
COMPUTER READABLE FORM:  
MEDIUM TYPE: FLOPPY DISK  
COMPUTER: IBM PC COMPATIBLE  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: WORDPERFECT 5.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/262,037  
FILING DATE:  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/719,819  
FILING DATE: 24-June-1991  
APPLICATION NUMBER: 07/667,275  
FILING DATE: 11-Mar-1991  
APPLICATION NUMBER: 07/651,735  
FILING DATE: 07-Feb-1991  
APPLICATION NUMBER: 07/558,799  
FILING DATE: 26-July-1990  
APPLICATION NUMBER: 07/510,153  
FILING DATE: 16-April-1990  
ATTORNEY/AGENT INFORMATION:  
NAME: Maria C. H. Lin  
REGISTRATION NUMBER: 29,323  
REFERENCE/DOCKET NUMBER: 1151-4043 US3  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-758-4800  
TELEFAX: (212) 751-6849  
TELEX: 421792  
INFORMATION FOR SEQ ID NO: 48:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 41 amino acids  
TYPE: Amino acid  
STRANDEDNESS:  
TOPOLOGY: Unknown  
US-08-262-037-48

Query Match 100.0%; Score 20; DB 1; Length 41;  
Best Local Similarity 100.0%; Pred. No. 2.9e+02;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVPQ 4  
Db 2 VVPQ 5

RESULT 13  
US-08-262-037-53  
Sequence 53, Application US/08262037  
Patent No. 5747239  
GENERAL INFORMATION:  
APPLICANT: Chang Yi Wang and Barbara Hosein  
TITLE OF INVENTION: SYNTHETIC PEPTIDES SPECIFIC FOR  
TITLE OF INVENTION: THE DETECTION OF ANTIBODIES TO HCV, DIAGNOSIS OF HCV  
TITLE OF INVENTION: INFECTION AND PREVENTION THEREOF AS VACCINES  
NUMBER OF SEQUENCES: 136  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: MORGAN & FINNEGAN  
STREET: 345 PARK AVE.  
CITY: NEW YORK  
STATE: NEW YORK  
COUNTRY: USA  
ZIP: 10154  
COMPUTER READABLE FORM:  
MEDIUM TYPE: FLOPPY DISK  
COMPUTER: IBM PC COMPATIBLE  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: WORDPERFECT 5.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/262,037  
FILING DATE:

CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/719,819  
FILING DATE: 24-June-1991  
APPLICATION NUMBER: 07/667,275  
FILING DATE: 11-Mar-1991  
APPLICATION NUMBER: 07/651,735  
FILING DATE: 07-Feb-1991  
APPLICATION NUMBER: 07/558,799  
FILING DATE: 26-July-1990  
APPLICATION NUMBER: 07/510,153  
FILING DATE: 16-April-1990  
ATTORNEY/AGENT INFORMATION:  
NAME: Maria C. H. Lin  
REGISTRATION NUMBER: 29,323  
REFERENCE/DOCKET NUMBER: 1151-4043 US3  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-758-4800  
TELEFAX: (212) 751-6849  
TELEX: 421792  
INFORMATION FOR SEQ ID NO: 53:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 48 amino acids  
TYPE: Amino acid  
STRANDEDNESS:  
TOPOLOGY: Unknown  
US-08-262-037-53

Query Match 100.0%; Score 20; DB 1; Length 48;  
Best Local Similarity 100.0%; Pred. No. 3.4e+02;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVPQ 4  
Db 21 VVPQ 24

RESULT 14  
PCT-US92-07813-6  
Sequence 6, Application PC/TUS9207813  
GENERAL INFORMATION:  
APPLICANT: LESNIEWSKI, RICHARD R.  
APPLICANT: LEUNG, TAT K.  
TITLE OF INVENTION: HEPATITIS C ASSAY  
NUMBER OF SEQUENCES: 27  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: ABBOTT LABORATORIES  
STREET: ONE ABBOTT PARK ROAD  
CITY: ABBOTT PARK  
STATE: ILLINOIS  
COUNTRY: U.S.A.  
ZIP: 60064-3500  
COMPUTER READABLE FORM:  
MEDIUM TYPE: FLOPPY disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US92/07813  
FILING DATE: 19920916  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: FOREMSKIP, PRISCILLA E.  
REGISTRATION NUMBER: 33,207  
REFERENCE/DOCKET NUMBER: 4767.P3.03  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 708-937-6365  
TELEFAX: 708-937-9556  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 49 amino acids  
TYPE: AMINO ACID  
STRANDEDNESS: single

TOPOLOGY: linear  
MOLECULE TYPE: peptide  
PCT-US92-07813-6

Query Match 100.0%; Score 20; DB 5; Length 49;  
Best Local Similarity 100.0%; Pred. No. 3.5e+02;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVPO 4  
Db 27 VVPO 30

RESULT 15  
US-08-262-037-54  
Sequence 54, Application US/08262037  
Patent No. 5747239  
GENERAL INFORMATION:  
APPLICANT: Chang Yi Wang and Barbara Hosein  
TITLE OF INVENTION: SYNTHETIC PEPTIDES SPECIFIC FOR  
TITLE OF INVENTION: THE DETECTION OF ANTIBODIES TO HCV DIAGNOSIS OF HCV  
TITLE OF INVENTION: INFECTION AND PREVENTION THEREOF AS VACCINES  
NUMBER OF SEQUENCES: 136  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: MORGAN & FINNEGAN  
STREET: 345 PARK AVE.  
CITY: NEW YORK  
STATE: NEW YORK  
COUNTRY: USA  
ZIP: 10154  
COMPUTER READABLE FORM:  
MEDIUM TYPE: FLOPPY DISK  
COMPUTER: IBM PC COMPATIBLE  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: WORDPERFECT 5.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/262,037  
FILING DATE:  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/719,819  
FILING DATE: 24-June-1991  
APPLICATION NUMBER: 07/667,275  
FILING DATE: 11-Mar-1991  
APPLICATION NUMBER: 07/651,735  
FILING DATE: 07-Feb-1991  
APPLICATION NUMBER: 07/558,799  
FILING DATE: 26-July-1990  
APPLICATION NUMBER: 07/510,153  
FILING DATE: 16-April-1990  
ATTORNEY/AGENT INFORMATION:  
NAME: Maria C. H. Lin  
REGISTRATION NUMBER: 29,323  
REFERENCE/DOCKET NUMBER: 1151-4043 US3  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-758-4800  
TELEFAX: (212) 751-6849  
TELEX: 421792  
INFORMATION FOR SEQ ID NO: 54:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 54 amino acids  
TYPE: Amino acid  
STRANDEDNESS:  
TOPOLOGY: Unknown  
US-08-262-037-54

Query Match 100.0%; Score 20; DB 1; Length 54;  
Best Local Similarity 100.0%; Pred. No. 3.8e+02;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVPO 4  
Db 27 VVPO 30

Search completed: April 16, 2003, 09:40:00  
Job time: 8.95652 secs

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GenCore version 5.1.4 p5 4578  
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OM protein - protein search, using sw model

Run on: April 16, 2003, 09:38:18 ; Search time 20 Seconds  
(without alignments)  
38.983 Million cell updates/sec

Title: US-09-580-156D-45

Perfect score: 24

Sequence: 1 AVVPQ 5

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 705215 seqs, 155932251 residues

Total number of hits satisfying chosen parameters: 705215

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database :

Pending\_Patents\_AA\_New:\*  
1: /cgn2\_6/ptodaca/1/paa/PCR\_NEW\_COMB.pep:\*  
2: /cgn2\_6/ptodaca/1/paa/US06\_NEW\_COMB.pep:\*  
3: /cgn2\_6/ptodaca/1/paa/US07\_NEW\_COMB.pep:\*  
4: /cgn2\_6/ptodaca/1/paa/US08\_NEW\_COMB.pep:\*  
5: /cgn2\_6/ptodaca/1/paa/US09\_NEW\_COMB.pep:\*  
6: /cgn2\_6/ptodaca/1/paa/US10\_NEW\_COMB.pep:\*  
7: /cgn2\_6/ptodaca/1/paa/US60\_NEW\_COMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	24	100.0	5	US-09-580-893C-45	Sequence 45, Appl
2	24	100.0	5	US-09-580-893C-47	Sequence 47, Appl
3	24	100.0	5	US-09-580-893D-45	Sequence 45, Appl
4	24	100.0	5	US-09-580-893D-47	Sequence 47, Appl
5	24	100.0	5	US-09-580-110E-45	Sequence 45, Appl
6	24	100.0	5	US-09-580-110E-47	Sequence 47, Appl
7	24	100.0	5	US-09-580-156D-45	Sequence 45, Appl
8	24	100.0	5	US-09-580-156D-47	Sequence 47, Appl
9	24	100.0	5	US-09-580-893C-44	Sequence 44, Appl
10	24	100.0	5	US-09-580-893C-46	Sequence 46, Appl
11	24	100.0	5	US-09-580-893C-48	Sequence 48, Appl
12	24	100.0	5	US-09-580-893D-44	Sequence 44, Appl
13	24	100.0	5	US-09-580-893D-46	Sequence 46, Appl
14	24	100.0	5	US-09-580-893D-48	Sequence 48, Appl
15	24	100.0	5	US-09-580-110E-44	Sequence 44, Appl
16	24	100.0	5	US-09-580-110E-46	Sequence 46, Appl
17	24	100.0	5	US-09-580-110E-48	Sequence 48, Appl
18	24	100.0	5	US-09-580-156D-44	Sequence 44, Appl
19	24	100.0	5	US-09-580-156D-46	Sequence 46, Appl
20	24	100.0	5	US-09-580-156D-48	Sequence 48, Appl
21	24	100.0	5	US-09-580-893C-50	Sequence 50, Appl
22	24	100.0	5	US-09-580-893C-52	Sequence 52, Appl
23	24	100.0	5	US-09-580-893D-50	Sequence 50, Appl
24	24	100.0	5	US-09-580-893D-52	Sequence 52, Appl
25	24	100.0	5	US-09-580-110E-50	Sequence 50, Appl
26	24	100.0	5	US-09-580-110E-52	Sequence 52, Appl

27	24	100.0	7	5	US-09-580-156D-50	Sequence 50, Appl
28	24	100.0	7	5	US-09-580-156D-52	Sequence 52, Appl
29	24	100.0	8	5	US-09-580-893C-51	Sequence 51, Appl
30	24	100.0	8	5	US-09-580-893C-54	Sequence 54, Appl
31	24	100.0	8	5	US-09-580-893D-51	Sequence 51, Appl
32	24	100.0	8	5	US-09-580-893D-54	Sequence 54, Appl
33	24	100.0	8	5	US-09-580-110E-51	Sequence 51, Appl
34	24	100.0	8	5	US-09-580-110E-54	Sequence 54, Appl
35	24	100.0	8	5	US-09-580-156D-51	Sequence 51, Appl
36	24	100.0	8	5	US-09-580-156D-54	Sequence 54, Appl
37	24	100.0	15	1	PCT-US02-31642-81	Sequence 81, Appl
38	24	100.0	15	6	US-10-244-309-81	Sequence 81, Appl
39	24	100.0	15	6	US-10-244-715A-81	Sequence 81, Appl
40	24	100.0	16	5	US-09-623-548A-1315	Sequence 1315, Ap
41	24	100.0	29	5	US-09-623-548A-1314	Sequence 1314, Ap
42	24	100.0	52	5	US-09-623-548A-1313	Sequence 1313, Ap
43	24	100.0	57	1	PCT-US02-32727-11044	Sequence 11044, A
44	24	100.0	57	1	PCT-US02-32727-16368	Sequence 16368, A
45	24	100.0	57	5	US-09-978-825-11044	Sequence 11044, A

## ALIGNMENTS

RESULT 1  
US-09-580-893C-45  
Sequence 45, Application US/09580893C  
GENERAL INFORMATION:  
APPLICANT: SANDBERG, LAWRENCE B  
APPLICANT: MITTS, THOMAS F  
TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS  
FILE REFERENCE: 00-144-US  
CURRENT APPLICATION NUMBER: US/09/580, 893C  
CURRENT FILING DATE: 2002-10-08  
NUMBER OF SEQ ID NOS: 75  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 45  
LENGTH: 5  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: Peptide  
NAME/KEY: PEPTIDE  
LOCATION: (1)..(5)  
US-09-580-893C-45

Query Match 100.0%; Score 24; DB 5; Length 5;  
Best Local Similarity 100.0%; Pred. No. 66+05; 0; Indels 0; Gaps 0;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVVPQ 5  
Db 1 AVVPQ 5

RESULT 2  
US-09-580-893C-47  
Sequence 47, Application US/09580893C  
GENERAL INFORMATION:  
APPLICANT: SANDBERG, LAWRENCE B  
APPLICANT: MITTS, THOMAS F  
TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS  
FILE REFERENCE: 00-144-US  
CURRENT APPLICATION NUMBER: US/09/580, 893C  
CURRENT FILING DATE: 2002-10-08  
NUMBER OF SEQ ID NOS: 75  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 47  
LENGTH: 5  
TYPE: PRT

```

; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Peptide
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (5)
; OTHER INFORMATION: AMIDATION
US-09-580-893D-47

Query Match
Best Local Similarity 100.0%; Score 24; DB 5; Length 5;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVVPQ 5
Db 1 AVVPQ 5

RESULT 3
US-09-580-893D-45
; Sequence 45, Application US/09580893D
; GENERAL INFORMATION:
; APPLICANT: SANDBERG, LAWRENCE B
; APPLICANT: MITTS, THOMAS F
; APPLICANT: JIMENEZ JR, FELIPE
; TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS
; FILE REFERENCE: 00-144-US
; CURRENT APPLICATION NUMBER: US/09/580,893D
; CURRENT FILING DATE: 2002-10-08
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 45
; LENGTH: 5
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Peptide
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(5)
US-09-580-893D-45

Query Match
Best Local Similarity 100.0%; Score 24; DB 5; Length 5;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVVPQ 5
Db 1 AVVPQ 5

RESULT 4
US-09-580-893D-47
; Sequence 47, Application US/09580893D
; GENERAL INFORMATION:
; APPLICANT: SANDBERG, LAWRENCE B
; APPLICANT: MITTS, THOMAS F
; APPLICANT: JIMENEZ JR, FELIPE
; TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS
; FILE REFERENCE: 00-144-US
; CURRENT APPLICATION NUMBER: US/09/580,893D
; CURRENT FILING DATE: 2002-10-08
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 47
; LENGTH: 5
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Peptide
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (5)
US-09-580-110E-45

; OTHER INFORMATION: AMIDATION
US-09-580-893D-47

Query Match
Best Local Similarity 100.0%; Score 24; DB 5; Length 5;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVVPQ 5
Db 1 AVVPQ 5

RESULT 5
US-09-580-110E-45
; Sequence 45, Application US/09580110E
; GENERAL INFORMATION:
; APPLICANT: Mitts, Thomas F.
; APPLICANT: Sandberg, Lawrence B.
; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND USES OF SAME IN COMBINATION WITH SKIN
; FILE REFERENCE: 25812-13
; CURRENT APPLICATION NUMBER: US/09/580,110E
; CURRENT FILING DATE: 2000-05-30
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 45
; LENGTH: 5
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: peptide
US-09-580-110E-45

Query Match
Best Local Similarity 100.0%; Score 24; DB 5; Length 5;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVVPQ 5
Db 1 AVVPQ 5

RESULT 6
US-09-580-110E-47
; Sequence 47, Application US/09580110E
; GENERAL INFORMATION:
; APPLICANT: Mitts, Thomas F.
; APPLICANT: Sandberg, Lawrence B.
; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND USES OF SAME IN COMBINATION WITH SKIN
; FILE REFERENCE: 25812-13
; CURRENT APPLICATION NUMBER: US/09/580,110E
; CURRENT FILING DATE: 2000-05-30
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 47
; LENGTH: 5
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: peptide
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (5)..(5)
; OTHER INFORMATION: AMIDATION
US-09-580-110E-47

Query Match
Best Local Similarity 100.0%; Score 24; DB 5; Length 5;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVVPQ 5
Db 1 AVVPQ 5
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Db 1 AVPQ 5

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RESULT 7
US-09-580-156D-45
; Sequence 45, Application US/09580156D
; GENERAL INFORMATION:
; APPLICANT: Lawrence, Sandberg B.
; APPLICANT: Thomas, Mites F.
; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND USES THEREOF
; FILE REFERENCE: 25812-5CIP
; CURRENT APPLICATION NUMBER: US/09/580,156D
; CURRENT FILING DATE: 2000-05-30
; PRIOR APPLICATION NUMBER: 09/039,308
; PRIOR FILING DATE: 1998-03-13
; PRIOR APPLICATION NUMBER: PCT/US99/05496
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 45
; LENGTH: 5
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: peptide
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(5)
; OTHER INFORMATION:
US-09-580-156D-45
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Best Local Similarity 100.0%; Pred. No. 6e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 AVPQ 5  
Db 1 AVPQ 5

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RESULT 8
US-09-580-156D-47
; Sequence 47, Application US/09580156D
; GENERAL INFORMATION:
; APPLICANT: Lawrence, Sandberg B.
; APPLICANT: Thomas, Mites F.
; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND USES THEREOF
; FILE REFERENCE: 25812-5CIP
; CURRENT APPLICATION NUMBER: US/09/580,156D
; CURRENT FILING DATE: 2000-05-30
; PRIOR APPLICATION NUMBER: 09/039,308
; PRIOR FILING DATE: 1998-03-13
; PRIOR APPLICATION NUMBER: PCT/US99/05496
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 47
; LENGTH: 5
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: peptide
; NAME/KEY: MOD_RES
; LOCATION: (5)..(5)
; OTHER INFORMATION: AMIDATION
US-09-580-156D-47
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Query Match          100.0%; Score 24; DB 5; Length 5;
Best Local Similarity 100.0%; Pred. No. 6e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 AVPQ 5

Db 1 AVPQ 5

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RESULT 9
US-09-580-893C-44
; Sequence 44, Application US/09580893C
; GENERAL INFORMATION:
; APPLICANT: Sandberg, Lawrence B
; APPLICANT: MITS, THOMAS F
; TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS
; FILE REFERENCE: 00-144-US
; CURRENT APPLICATION NUMBER: US/09/580,893C
; CURRENT FILING DATE: 2002-10-08
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 44
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Peptide
; NAME/KEY: MOD_RES
; LOCATION: (1)
; OTHER INFORMATION: ACETYLATION
US-09-580-893C-44
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```
Query Match          100.0%; Score 24; DB 5; Length 6;
Best Local Similarity 100.0%; Pred. No. 6e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 AVPQ 5  
Db 2 AVPQ 6

```
RESULT 10
US-09-580-893C-46
; Sequence 46, Application US/09580893C
; GENERAL INFORMATION:
; APPLICANT: Sandberg, Lawrence B
; APPLICANT: MITS, THOMAS F
; TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS
; FILE REFERENCE: 00-144-US
; CURRENT APPLICATION NUMBER: US/09/580,893C
; CURRENT FILING DATE: 2002-10-08
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 46
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
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; OTHER INFORMATION: Description of Artificial Sequence: Peptide
US-09-580-893C-46
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Query Match          100.0%; Score 24; DB 5; Length 6;
Best Local Similarity 100.0%; Pred. No. 6e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 AVPQ 5  
Db 2 AVPQ 6

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RESULT 11
US-09-580-893C-48
; Sequence 48, Application US/09580893C
; GENERAL INFORMATION:
; APPLICANT: Sandberg, Lawrence B
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QY 1 AVPQ 5

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; APPLICANT: MITTS, THOMAS F
; APPLICANT: JIMENEZ JR, FELIPE
; TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS
; FILE REFERENCE: 00-144-US
; CURRENT APPLICATION NUMBER: US/09/580,893C
; CURRENT FILING DATE: 2002-10-08
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 48
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Peptide
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (6)
; OTHER INFORMATION: AMIDATION
; US-09-580-893C-48
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```
Query Match          100.0%; Score 24; DB 5; Length 6;
Best Local Similarity 100.0%; Pred. No. 6e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 AVVPQ 5
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Db 2 AVVPQ 6
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RESULT 12
US-09-580-893D-44
; Sequence 44, Application US/09580893D
; GENERAL INFORMATION:
; APPLICANT: SANDBERG, LAWRENCE B
; APPLICANT: MITTS, THOMAS F
; APPLICANT: JIMENEZ JR, FELIPE
; TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS
; FILE REFERENCE: 00-144-US
; CURRENT APPLICATION NUMBER: US/09/580,893D
; CURRENT FILING DATE: 2002-10-08
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 44
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Peptide
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (1)
; OTHER INFORMATION: ACETYLATION
; US-09-580-893D-44
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```
Query Match          100.0%; Score 24; DB 5; Length 6;
Best Local Similarity 100.0%; Pred. No. 6e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 AVVPQ 5
    |||||
Db 2 AVVPQ 6
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RESULT 13
US-09-580-893D-46
; Sequence 46, Application US/09580893D
; GENERAL INFORMATION:
; APPLICANT: SANDBERG, LAWRENCE B
; APPLICANT: MITTS, THOMAS F
; APPLICANT: JIMENEZ JR, FELIPE
; TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS
; FILE REFERENCE: 00-144-US
; CURRENT APPLICATION NUMBER: US/09/580,893D
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; CURRENT FILING DATE: 2002-10-08
; NUMBER OF SEQ ID NOS: 75
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; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Peptide
; US-09-580-893D-46
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Best Local Similarity 100.0%; Pred. No. 6e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 AVVPQ 5
    |||||
Db 2 AVVPQ 6
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RESULT 14
US-09-580-893D-48
; Sequence 48, Application US/09580893D
; GENERAL INFORMATION:
; APPLICANT: SANDBERG, LAWRENCE B
; APPLICANT: MITTS, THOMAS F
; APPLICANT: JIMENEZ JR, FELIPE
; TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS
; FILE REFERENCE: 00-144-US
; CURRENT APPLICATION NUMBER: US/09/580,893D
; CURRENT FILING DATE: 2002-10-08
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 48
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Peptide
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (6)
; OTHER INFORMATION: AMIDATION
; US-09-580-893D-48
```

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Query Match          100.0%; Score 24; DB 5; Length 6;
Best Local Similarity 100.0%; Pred. No. 6e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 AVVPQ 5
    |||||
Db 2 AVVPQ 6
```

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RESULT 15
US-09-580-110E-44
; Sequence 44, Application US/09580110E
; GENERAL INFORMATION:
; APPLICANT: MITTS, THOMAS F.
; APPLICANT: SANDBERG, LAWRENCE B.
; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND USES OF SAME IN COMBINATION WITH SKIN
; FILE REFERENCE: 25812-13
; CURRENT APPLICATION NUMBER: US/09/580,110E
; CURRENT FILING DATE: 2000-05-30
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 44
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: peptide
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; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (1) . (1)
; OTHER INFORMATION: ACETYLATION
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (6) . (6)
; OTHER INFORMATION: AMIDATION
US-09-580-110E-44
    
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Query Match      100.0%; Score 24; DB 5; Length 6;
Best Local Similarity 100.0%; Pred. No. 6e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
    
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Qy      1 AVVPQ 5
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Db      2 AVVPQ 6
    
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 Job time : 21 secs

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GenCore version 5.1.4 p5 4578  
Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using sw model

Run on: April 16, 2003, 09:32:41 ; Search time 117.826 Seconds  
(without alignments)  
27.360 Million cell updates/sec

Title: US-09-580-156D-45

Perfect score: 24

Sequence: 1 AVVPQ 5

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Searched: 4569144 seqs, 644733110 residues

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Minimum DB seq length: 0

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Post-processing:

Database :

Pending Patents\_AA Main:\*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	24	100.0	5	19	US-09-584-001-45
2	24	100.0	5	19	US-09-584-001-47
3	24	100.0	5	19	US-09-584-001C-45
4	24	100.0	5	19	US-09-584-001C-47
5	24	100.0	6	19	US-09-584-001-44
6	24	100.0	6	19	US-09-584-001-46

7	24	100.0	6	19	US-09-584-001-48	Sequence 48, Appl
8	24	100.0	6	19	US-09-584-001C-44	Sequence 44, Appl
9	24	100.0	6	19	US-09-584-001C-46	Sequence 46, Appl
10	24	100.0	6	19	US-09-584-001C-48	Sequence 48, Appl
11	24	100.0	7	19	US-09-584-001-50	Sequence 50, Appl
12	24	100.0	7	19	US-09-584-001-53	Sequence 53, Appl
13	24	100.0	7	19	US-09-584-001C-50	Sequence 50, Appl
14	24	100.0	7	19	US-09-584-001C-53	Sequence 53, Appl
15	24	100.0	8	19	US-09-584-001-51	Sequence 51, Appl
16	24	100.0	8	19	US-09-584-001-54	Sequence 54, Appl
17	24	100.0	8	19	US-09-584-001C-51	Sequence 51, Appl
18	24	100.0	8	19	US-09-584-001C-54	Sequence 54, Appl
19	24	100.0	15	20	US-09-826-290-7	Sequence 7, Appl
20	24	100.0	16	20	US-09-657-276-1315	Sequence 1315, Ap
21	24	100.0	24	21	US-09-709-947-18	Sequence 18, Appl
22	24	100.0	24	21	US-09-709-954-18	Sequence 18, Appl
23	24	100.0	29	20	US-09-657-276-1314	Sequence 1314, Ap
24	24	100.0	52	20	US-09-657-276-1313	Sequence 1313, Ap
25	24	100.0	68	16	US-09-248-796-27350	Sequence 27350, A
26	24	100.0	68	27	US-09-096-409-27350	Sequence 27350, A
27	24	100.0	85	21	US-09-708-427-74429	Sequence 74429, A
28	24	100.0	90	21	US-09-758-472-8627	Sequence 8627, Ap
29	24	100.0	90	26	US-10-235-926-8627	Sequence 8627, Ap
30	24	100.0	92	27	US-60-192-733-3532	Sequence 3532, Ap
31	24	100.0	92	27	US-60-194-243-2549	Sequence 2549, Ap
32	24	100.0	117	27	US-60-212-659-513	Sequence 513, Ap
33	24	100.0	119	19	US-09-540-209B-7698	Sequence 7698, Ap
34	24	100.0	123	15	US-09-134-000-3569	Sequence 3569, Ap
35	24	100.0	145	1	PCT-US01-01321-555	Sequence 555, App
36	24	100.0	145	1	PCT-US01-01341-1327	Sequence 1327, Ap
37	24	100.0	145	21	US-09-764-864-1527	Sequence 555, App
38	24	100.0	145	21	US-09-764-864-1527	Sequence 1327, Ap
39	24	100.0	145	24	US-10-080-129-1327	Sequence 1327, Ap
40	24	100.0	145	24	US-10-092-154-555	Sequence 555, App
41	24	100.0	146	27	US-60-389-987-2861	Sequence 2861, Ap
42	24	100.0	146	27	US-60-412-414-2861	Sequence 2861, Ap
43	24	100.0	147	27	US-60-171-494-1515	Sequence 1515, Ap
44	24	100.0	157	20	US-09-620-111B-2436	Sequence 2436, Ap
45	24	100.0	162	22	US-09-897-516-4734	Sequence 4734, Ap

#### ALIGNMENTS

RESULT 1

US-09-584-001-45

Sequence 45, Application US/09584001

GENERAL INFORMATION:

APPLICANT: SANDBERG, LAWRENCE

APPLICANT: MITTS, THOMAS F.

TITLE OR INVENTION: ELASTIN PEPTIDE ANALOGS AND METHODS OF USING SAME

FILE REFERENCE: 99494US

CURRENT APPLICATION NUMBER: US/09/584,001

CURRENT FILING DATE: 2000-05-30

EARLIER APPLICATION NUMBER: 09/039,308

EARLIER FILING DATE: 1998-03-13

EARLIER APPLICATION NUMBER: PCT/US99/05496

EARLIER FILING DATE: 1999-03-12

NUMBER OF SEQ ID NOS: 75

SOFTWARE: Patent In Ver. 2.1

SEQ ID NO 45

LENGTH: 5

TYPE: PRT

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Description of Artificial Sequence: peptide

FEATURE:

NAME/KEY: PEPTIDE

LOCATION: (1)..(5)

US-09-584-001-45

Query Match 100.0%; Score 24; DB 19; Length 5;

Best Local Similarity 100.0%; Pred. No. 4,2e+06;

Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVVPQ 5  
| | | | |  
Db 1 AVVPQ 5

## RESULT 2

US-09-584-001-47  
; Sequence 47, Application US/09584001  
; GENERAL INFORMATION:  
; APPLICANT: SANDBERG, LAWRENCE  
; APPLICANT: MITTS, THOMAS F.  
; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND METHODS OF USING SAME  
; FILE REFERENCE: 99494US  
; CURRENT APPLICATION NUMBER: US/09/584,001  
; EARLIER FILING DATE: 2000-05-30  
; EARLIER APPLICATION NUMBER: 09/039,308  
; EARLIER FILING DATE: 1998-03-13  
; EARLIER APPLICATION NUMBER: PCT/US99/05496  
; EARLIER FILING DATE: 1999-03-12  
; NUMBER OF SEQ ID NOS: 75  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 47  
; LENGTH: 5  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: peptide  
; NAME/KEY: MOD\_RES  
; LOCATION: (5)  
; OTHER INFORMATION: AMIDATION  
US-09-584-001-47

Query Match 100.0%; Score 24; DB 19; Length 5;  
Best Local Similarity 100.0%; Pred. No. 4.2e+06;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVVPQ 5  
| | | | |  
Db 1 AVVPQ 5

## RESULT 3

US-09-584-001C-45  
; Sequence 45, Application US/09584001C  
; GENERAL INFORMATION:  
; APPLICANT: Mitte, Thomas F.  
; APPLICANT: Sandberg, Lawrence B.  
; TITLE OF INVENTION: Elastin Peptide Analogs and Methods of Using Same  
; FILE REFERENCE: 25812-11  
; CURRENT APPLICATION NUMBER: US/09/584,001C  
; CURRENT FILING DATE: 2002-04-30  
; NUMBER OF SEQ ID NOS: 75  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 45  
; LENGTH: 5  
; TYPE: PRT  
; ORGANISM: mammalian  
US-09-584-001C-45

Query Match 100.0%; Score 24; DB 19; Length 5;  
Best Local Similarity 100.0%; Pred. No. 4.2e+06;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVVPQ 5  
| | | | |  
Db 1 AVVPQ 5

RESULT 4  
US-09-584-001C-47

; Sequence 47, Application US/09584001C  
; GENERAL INFORMATION:  
; APPLICANT: Mitte, Thomas F.  
; APPLICANT: Sandberg, Lawrence B.  
; TITLE OF INVENTION: Elastin Peptide Analogs and Methods of Using Same  
; FILE REFERENCE: 25812-11  
; CURRENT APPLICATION NUMBER: US/09/584,001C  
; CURRENT FILING DATE: 2002-04-30  
; NUMBER OF SEQ ID NOS: 75  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 47  
; LENGTH: 5  
; TYPE: PRT  
; ORGANISM: mammalian  
; FEATURE:  
; NAME/KEY: MOD\_RES  
; LOCATION: (5)  
; OTHER INFORMATION: AMIDATION  
US-09-584-001C-47

Query Match 100.0%; Score 24; DB 19; Length 5;  
Best Local Similarity 100.0%; Pred. No. 4.2e+06;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVVPQ 5  
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Db 1 AVVPQ 5

## RESULT 5

US-09-584-001-44  
; Sequence 44, Application US/09584001  
; GENERAL INFORMATION:  
; APPLICANT: SANDBERG, LAWRENCE  
; APPLICANT: MITTS, THOMAS F.  
; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND METHODS OF USING SAME  
; FILE REFERENCE: 99494US  
; CURRENT APPLICATION NUMBER: US/09/584,001  
; EARLIER FILING DATE: 2000-05-30  
; EARLIER APPLICATION NUMBER: 09/039,308  
; EARLIER FILING DATE: 1998-03-13  
; EARLIER APPLICATION NUMBER: PCT/US99/05496  
; EARLIER FILING DATE: 1999-03-12  
; NUMBER OF SEQ ID NOS: 75  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 44  
; LENGTH: 6  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: peptide  
; NAME/KEY: MOD\_RES  
; LOCATION: (1)  
; OTHER INFORMATION: ACETYLATION  
US-09-584-001-44

Query Match 100.0%; Score 24; DB 19; Length 6;  
Best Local Similarity 100.0%; Pred. No. 4.2e+06;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVVPQ 5  
| | | | |  
Db 2 AVVPQ 6

## RESULT 6

US-09-584-001-46  
; Sequence 46, Application US/09584001  
; GENERAL INFORMATION:  
; APPLICANT: SANDBERG, LAWRENCE  
; APPLICANT: MITTS, THOMAS F.  
; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND METHODS OF USING SAME

```

; FILE REFERENCE: 99494US
; CURRENT APPLICATION NUMBER: US/09/584.001
; CURRENT FILING DATE: 2000-05-30
; EARLIER APPLICATION NUMBER: 09/039,308
; EARLIER FILING DATE: 1998-03-13
; EARLIER APPLICATION NUMBER: PCT/US99/05496
; EARLIER FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: Patentln Ver. 2.1
; SEQ ID NO 46
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: peptide
US-09-584-001-46

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```

Query Match      100.0%; Score 24; DB 19; Length 6;
Best Local Similarity 100.0%; Pred. No. 4.2e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 AVPQ 5
Db 2 AVPQ 6

```

```

RESULT 7
US-09-584-001-48
; Sequence 48, Application US/09584001C
; GENERAL INFORMATION:
; APPLICANT: SANDBERG, LAWRENCE
; APPLICANT: MITTS, THOMAS F.
; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND METHODS OF USING SAME
; FILE REFERENCE: 99494US
; CURRENT APPLICATION NUMBER: US/09/584.001
; CURRENT FILING DATE: 2000-05-30
; EARLIER APPLICATION NUMBER: 09/039,308
; EARLIER FILING DATE: 1998-03-13
; EARLIER APPLICATION NUMBER: PCT/US99/05496
; EARLIER FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: Patentln Ver. 2.1
; SEQ ID NO 48
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (6)
; OTHER INFORMATION: AMIDATION
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: peptide
US-09-584-001-48

```

```

Query Match      100.0%; Score 24; DB 19; Length 6;
Best Local Similarity 100.0%; Pred. No. 4.2e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 AVPQ 5
Db 2 AVPQ 6

```

```

RESULT 8
US-09-584-001C-44
; Sequence 44, Application US/09584001C
; GENERAL INFORMATION:
; APPLICANT: MITTS, THOMAS F.
; APPLICANT: SANDBERG, LAWRENCE B.
; TITLE OF INVENTION: Elastin Peptide Analogs and Methods of Using Same
; FILE REFERENCE: 25812-11
; CURRENT APPLICATION NUMBER: US/09/584.001C
; CURRENT FILING DATE: 2002-04-30

```

```

; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: Patentln Ver. 2.1
; SEQ ID NO 44
; LENGTH: 6
; TYPE: PRT
; ORGANISM: mammalian
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (1)
; OTHER INFORMATION: ACETYLATION
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (6)
; OTHER INFORMATION: AMIDATION
US-09-584-001C-44

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```

Query Match      100.0%; Score 24; DB 19; Length 6;
Best Local Similarity 100.0%; Pred. No. 4.2e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 AVPQ 5
Db 2 AVPQ 6

```

```

RESULT 9
US-09-584-001C-46
; Sequence 46, Application US/09584001C
; GENERAL INFORMATION:
; APPLICANT: MITTS, THOMAS F.
; APPLICANT: SANDBERG, LAWRENCE B.
; TITLE OF INVENTION: Elastin Peptide Analogs and Methods of Using Same
; FILE REFERENCE: 25812-11
; CURRENT APPLICATION NUMBER: US/09/584.001C
; CURRENT FILING DATE: 2002-04-30
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: Patentln Ver. 2.1
; SEQ ID NO 46
; LENGTH: 6
; TYPE: PRT
; ORGANISM: mammalian
; OTHER INFORMATION: AMIDATION
US-09-584-001C-46

```

```

Query Match      100.0%; Score 24; DB 19; Length 6;
Best Local Similarity 100.0%; Pred. No. 4.2e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 AVPQ 5
Db 2 AVPQ 6

```

```

RESULT 10
US-09-584-001C-48
; Sequence 48, Application US/09584001C
; GENERAL INFORMATION:
; APPLICANT: MITTS, THOMAS F.
; APPLICANT: SANDBERG, LAWRENCE B.
; TITLE OF INVENTION: Elastin Peptide Analogs and Methods of Using Same
; FILE REFERENCE: 25812-11
; CURRENT APPLICATION NUMBER: US/09/584.001C
; CURRENT FILING DATE: 2002-04-30
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: Patentln Ver. 2.1
; SEQ ID NO 48
; LENGTH: 6
; TYPE: PRT
; ORGANISM: mammalian
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (6)
; OTHER INFORMATION: AMIDATION
US-09-584-001C-48

```

Query Match 100.0%; Score 24; DB 19; Length 6;  
Best Local Similarity 100.0%; Pred. No. 4.2e+06;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVVPQ 5  
|||  
Db 2 AVVPQ 6

RESULT 11  
US-09-584-001-50  
; Sequence 50, Application US/09584001  
; GENERAL INFORMATION:  
; APPLICANT: SANDBERG, LAWRENCE  
; APPLICANT: MITTS, THOMAS F.  
; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND METHODS OF USING SAME  
; FILE REFERENCE: 99494US  
; CURRENT FILING DATE: 2000-05-30  
; EARLIER FILING DATE: 1998-03-13  
; EARLIER FILING DATE: 1998-03-13  
; EARLIER FILING DATE: 1999-03-12  
; NUMBER OF SEQ ID NOS: 75  
; SOFTWARE: Patentln Ver. 2.1  
; SEQ ID NO 50  
; LENGTH: 7  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: peptide  
; NAME/KEY: DISULFID  
; LOCATION: (1)..(7)  
; OTHER INFORMATION: TERMINAL CYSTEINES FORM DISULFIDE BOND  
US-09-584-001-50

Query Match 100.0%; Score 24; DB 19; Length 7;  
Best Local Similarity 100.0%; Pred. No. 4.2e+06;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVVPQ 5  
|||  
Db 2 AVVPQ 6

RESULT 12  
US-09-584-001-53  
; Sequence 53, Application US/09584001  
; GENERAL INFORMATION:  
; APPLICANT: SANDBERG, LAWRENCE  
; APPLICANT: MITTS, THOMAS F.  
; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND METHODS OF USING SAME  
; FILE REFERENCE: 99494US  
; CURRENT APPLICATION NUMBER: US/09/584,001  
; CURRENT FILING DATE: 2000-05-30  
; EARLIER FILING DATE: 1998-03-13  
; EARLIER FILING DATE: 1998-03-13  
; EARLIER FILING DATE: 1999-03-12  
; NUMBER OF SEQ ID NOS: 75  
; SOFTWARE: Patentln Ver. 2.1  
; SEQ ID NO 53  
; LENGTH: 7  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: peptide  
; NAME/KEY: METAL  
; LOCATION: (1)..(7)  
; OTHER INFORMATION: METAL IS COPPER; BINDING TO LOCATION 1 AND 7

US-09-584-001-53

Query Match 100.0%; Score 24; DB 19; Length 7;  
Best Local Similarity 100.0%; Pred. No. 4.2e+06;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVVPQ 5  
|||  
Db 2 AVVPQ 6

RESULT 13  
US-09-584-001C-50  
; Sequence 50, Application US/09584001C  
; GENERAL INFORMATION:  
; APPLICANT: Mitts, Thomas F.  
; APPLICANT: Sandberg, Lawrence B.  
; TITLE OF INVENTION: Elastin Peptide Analogs and Methods of Using Same  
; FILE REFERENCE: 25812-11  
; CURRENT APPLICATION NUMBER: US/09/584,001C  
; CURRENT FILING DATE: 2002-04-30  
; NUMBER OF SEQ ID NOS: 75  
; SOFTWARE: Patentln Ver. 2.1  
; SEQ ID NO 50  
; LENGTH: 7  
; TYPE: PRT  
; ORGANISM: mammalian  
US-09-584-001C-50

Query Match 100.0%; Score 24; DB 19; Length 7;  
Best Local Similarity 100.0%; Pred. No. 4.2e+06;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVVPQ 5  
|||  
Db 2 AVVPQ 6

RESULT 14  
US-09-584-001C-53  
; Sequence 53, Application US/09584001C  
; GENERAL INFORMATION:  
; APPLICANT: Mitts, Thomas F.  
; APPLICANT: Sandberg, Lawrence B.  
; TITLE OF INVENTION: Elastin Peptide Analogs and Methods of Using Same  
; FILE REFERENCE: 25812-11  
; CURRENT APPLICATION NUMBER: US/09/584,001C  
; CURRENT FILING DATE: 2002-04-30  
; NUMBER OF SEQ ID NOS: 75  
; SOFTWARE: Patentln Ver. 2.1  
; SEQ ID NO 53  
; LENGTH: 7  
; TYPE: PRT  
; ORGANISM: mammalian  
US-09-584-001C-53

Query Match 100.0%; Score 24; DB 19; Length 7;  
Best Local Similarity 100.0%; Pred. No. 4.2e+06;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVVPQ 5  
|||  
Db 2 AVVPQ 6

RESULT 15  
US-09-584-001-51  
; Sequence 51, Application US/09584001  
; GENERAL INFORMATION:  
; APPLICANT: SANDBERG, LAWRENCE  
; APPLICANT: MITTS, THOMAS F.  
; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND METHODS OF USING SAME  
; FILE REFERENCE: 99494US

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: CURRENT APPLICATION NUMBER: US/09/584,001
: CURRENT FILING DATE: 2000-05-30
: EARLIER APPLICATION NUMBER: 09/039,308
: EARLIER FILING DATE: 1998-03-13
: EARLIER APPLICATION NUMBER: PCT/US99/05496
: EARLIER FILING DATE: 1999-03-12
: NUMBER OF SEQ ID NOS: 75
: SOFTWARE: PatentIn Ver. 2.1
: SEQ ID NO: 51
: LENGTH: 8
: TYPE: PRT
: ORGANISM: Artificial Sequence
: FEATURE:
: OTHER INFORMATION: Description of Artificial Sequence: peptide
: FEATURE:
: NAME/KEY: DISULFID
: LOCATION: (1)..(6)
: OTHER INFORMATION: TERMINAL CYSTEINES FORM DISULFIDE BOND
US-09-584-001-51

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```

Query Match          100.0%; Score 24; DB 19; Length 8;
Best Local Similarity 100.0%; Pred. No. 4.2e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 AVVPQ 5
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Db 3 AVVPQ 7

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Search completed: April 16, 2003, 09:49:10  
Job time : 118.826 secs

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GenCore version 5.1.4 p5 4578  
Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using sw model

Run on: April 16, 2003, 09:38:56 ; Search time 10 Seconds  
(without alignments)  
/37.807 Million cell updates/sec

Title: US-09-580-156D-45  
Perfect score: 24  
Sequence: 1 AVVPQ 5

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 288829 seqs, 7561385 residues  
Total number of hits satisfying chosen parameters: 288829

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications\_AA:\*  
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2: /cgn2\_6/ptodata/1/pubppaa/PCR\_NEW\_PUB pep:\*  
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4: /cgn2\_6/ptodata/1/pubppaa/US07\_NEW\_PUB pep:\*  
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9: /cgn2\_6/ptodata/1/pubppaa/US09\_NEW\_PUB pep:\*  
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11: /cgn2\_6/ptodata/1/pubppaa/US10\_NEW\_PUB pep:\*  
12: /cgn2\_6/ptodata/1/pubppaa/US10\_PUBCOMB pep:\*  
13: /cgn2\_6/ptodata/1/pubppaa/US60\_NEW\_PUB pep:\*  
14: /cgn2\_6/ptodata/1/pubppaa/US60\_PUBCOMB pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length DB	ID	Description
1	24	100.0	15	9	US-09-826-290-7
2	24	100.0	145	9	US-10-092-154-555
3	24	100.0	145	10	US-09-764-864-1327
4	24	100.0	145	10	US-09-764-847-555
5	24	100.0	277	10	US-09-755-856-7
6	24	100.0	362	9	US-10-102-806-617
7	24	100.0	400	10	US-09-815-242-10568
8	24	100.0	482	9	US-09-746-783-66
9	24	100.0	760	9	US-10-042-431-70
10	24	100.0	760	9	US-10-042-431-76
11	24	100.0	760	9	US-09-759-1308-440
12	24	100.0	760	9	US-09-759-1308-446
13	24	100.0	1134	9	US-09-836-392-16
14	24	100.0	1237	10	US-09-862-027-78
15	24	100.0	1394	9	US-10-101-388-3
16	24	100.0	2076	10	US-09-815-242-5815
17	24	100.0	2186	10	US-09-815-242-12913
18	23	95.8	69	10	US-09-864-761-46685
19	23	95.8	101	9	US-09-738-626-6053

20	23	95.8	316	12	US-10-001-870-132	Sequence 132, App
21	23	95.8	381	10	US-09-815-242-10970	Sequence 10970, A
22	23	95.8	433	10	US-09-350-253-101	Sequence 101, App
23	23	95.8	467	10	US-09-129-112-19	Sequence 19, App
24	23	95.8	491	10	US-09-997-900-2	Sequence 2, App
25	23	95.8	499	10	US-09-864-761-35385	Sequence 35385, A
26	23	95.8	569	10	US-09-931-147-2	Sequence 2, App
27	23	95.8	610	9	US-09-891-332A-4	Sequence 4, App
28	23	95.8	610	9	US-09-891-332A-10	Sequence 10, App
29	23	95.8	659	10	US-09-873-403-1	Sequence 1, App
30	23	95.8	677	9	US-09-891-332A-3	Sequence 3, App
31	23	95.8	708	9	US-09-891-332A-5	Sequence 5, App
32	23	95.8	812	10	US-09-873-403-2	Sequence 2, App
33	23	95.8	893	9	US-09-891-332A-2	Sequence 2, App
34	23	95.8	893	9	US-09-891-332A-6	Sequence 6, App
35	23	95.8	893	9	US-09-891-332A-7	Sequence 7, App
36	23	95.8	893	9	US-09-891-332A-8	Sequence 8, App
37	23	95.8	893	9	US-09-891-332A-9	Sequence 9, App
38	23	95.8	893	9	US-09-229-173-3	Sequence 3, App
39	23	95.8	893	10	US-09-741-664-1	Sequence 1, App
40	23	95.8	893	10	US-09-741-664-2	Sequence 2, App
41	23	95.8	1058	10	US-09-873-403-4	Sequence 4, App
42	23	95.8	1195	10	US-09-873-403-6	Sequence 6, App
43	23	95.8	1222	10	US-09-873-403-5	Sequence 5, App
44	23	95.8	2368	10	US-09-815-242-5635	Sequence 5635, Ap
45	23	95.8	2368	10	US-09-815-242-12389	Sequence 12389, A

# ALIGNMENTS

RESULT 1  
US-09-826-290-7  
Sequence 7, Application US/09826290

Patent No. US20020164668A1  
GENERAL INFORMATION:  
APPLICANT: Durham, L. Kathryn  
APPLICANT: Herath, Herath Mudiyanselage Achula Chandrasiri  
APPLICANT: Kimmel, Lida H.  
APPLICANT: Parekh, Rajesh Bhikhu  
APPLICANT: Potter, David M.  
APPLICANT: Rohlf, Christian  
APPLICANT: Silber, B. Michael  
APPLICANT: Stiger, Thomas R.  
APPLICANT: Sunderland, P. Trey  
APPLICANT: Townsend, Robert Reid  
APPLICANT: White, Frost  
APPLICANT: Williams, Stephen A.  
TITLE OF INVENTION: Nucleic Acid Molecules, Polypeptides and  
TITLE OF INVENTION: Uses Therefor, Including Diagnosis and Treatment of  
FILE REFERENCE: 2572-1-001 N2  
CURRENT APPLICATION NUMBER: US/09/826,290  
PRIOR APPLICATION NUMBER: US 60/194,504  
PRIOR FILING DATE: 2000-04-03  
PRIOR APPLICATION NUMBER: US 60/253,647  
PRIOR FILING DATE: 2000-11-28  
NUMBER OF SEQ ID NOS: 492  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 7  
LENGTH: 15  
TYPE: PRT  
ORGANISM: homo sapien  
US-09-826-290-7

Query Match 100.0%; Score 24; DB 9; Length 15;  
Best Local Similarity 100.0%; Pred. No. 12;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 AVVPQ 5  
|||||

Db 7 AVVPO 11

RESULT 2  
US-10-092-154-555

Sequence 555, Application US/10092154  
Publication No. US20030054375A1

GENERAL INFORMATION:

APPLICANT: Rosen et al.

TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

FILE REFERENCE: PC009C1

CURRENT APPLICATION NUMBER: US/10/092,154

CURRENT FILING DATE: 2002-03-07

NUMBER OF SEQ ID NOS: 2003

Prior Application removed - See File Wrapper or Palm

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 555

LENGTH: 145

TYPE: PRT

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: misc\_feature

LOCATION: (121)

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

NAME/KEY: misc\_feature

LOCATION: (123)

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

NAME/KEY: misc\_feature

LOCATION: (125)

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

NAME/KEY: misc\_feature

LOCATION: (136)

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

NAME/KEY: misc\_feature

LOCATION: (141)

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

US-10-092-154-555

Query Match 100.0%; Score 24; DB 9; Length 145;  
Best Local Similarity 100.0%; Pred. No. 1.4e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 AVVPO 5

Db 101 AVVPO 105

RESULT 3  
US-09-764-864-1327

Sequence 1327, Application US/09764864

Patent No. US20020132753A1

GENERAL INFORMATION:

APPLICANT: Rosen et al.

TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

FILE REFERENCE: PT223

CURRENT APPLICATION NUMBER: US/09/764,864

CURRENT FILING DATE: 2001-01-17

Prior application data removed - consult PALM or file wrapper

NUMBER OF SEQ ID NOS: 1792

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 1327

LENGTH: 145

TYPE: PRT

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: SITE

LOCATION: (121)

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

NAME/KEY: SITE

LOCATION: (123)

US-09-764-864-1327

Query Match 100.0%; Score 24; DB 9; Length 145;  
Best Local Similarity 100.0%; Pred. No. 1.4e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

NAME/KEY: SITE

LOCATION: (125)

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

NAME/KEY: SITE

LOCATION: (129)

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

NAME/KEY: SITE

LOCATION: (136)

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

NAME/KEY: SITE

LOCATION: (141)

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

US-09-764-864-1327

Query Match 100.0%; Score 24; DB 10; Length 145;  
Best Local Similarity 100.0%; Pred. No. 1.4e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 AVVPO 5

Db 101 AVVPO 105

RESULT 4  
US-09-764-847-555

Sequence 555, Application US/09764847

Patent No. US20020132767A1

GENERAL INFORMATION:

APPLICANT: Rosen et al.

TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

FILE REFERENCE: PC009

CURRENT APPLICATION NUMBER: US/09/764,847

CURRENT FILING DATE: 2001-01-17

Prior application data removed - consult PALM or file wrapper

NUMBER OF SEQ ID NOS: 2003

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 555

LENGTH: 145

TYPE: PRT

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: SITE

LOCATION: (121)

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

NAME/KEY: SITE

LOCATION: (123)

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

NAME/KEY: SITE

LOCATION: (136)

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

NAME/KEY: SITE

LOCATION: (141)

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

US-09-764-847-555

Query Match 100.0%; Score 24; DB 10; Length 145;  
Best Local Similarity 100.0%; Pred. No. 1.4e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 AVVPO 5

Db 101 AVVPO 105

RESULT 5  
US-09-755-456-7

US-09-755-456-7

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; Sequence 7, Application US/09755456
; Patent No. US20010021512A1
; GENERAL INFORMATION:
; APPLICANT: DELBAC, FREDERIC
; APPLICANT: DANCHIN, ANTOINE
; APPLICANT: VIVARES, CHRISTIAN
; TITLE OF INVENTION: MICROSPORIDIAN POLAR TUBE PROTEINS, NUCLEIC ACIDS
; FILE REFERENCE: 1566-00
; CURRENT APPLICATION NUMBER: US/09/755,456
; CURRENT FILING DATE: 2001-01-05
; PRIOR APPLICATION NUMBER: PCT/FR99/01630
; PRIOR FILING DATE: 1999-07-06
; PRIOR APPLICATION NUMBER: FR 98/08692
; PRIOR FILING DATE: 1998-07-07
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 7
; LENGTH: 277
; TYPE: PRT
; ORGANISM: Encephalitozoon cuniculi
; US-09-755-456-7

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Query Match      100.0%; Score 24; DB 10; Length 277;
Best Local Similarity 100.0%; Pred. No. 2.9e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 AVWPQ 5
DB 20 AVWPQ 24

```

```

RESULT 6
US-10-102-806-617
; Sequence 617, Application US/10102806
; Publication No. US20030054421A1
; GENERAL INFORMATION:
; APPLICANT: ROSEN, et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA103P1C1
; CURRENT APPLICATION NUMBER: US/10/102,806
; CURRENT FILING DATE: 2002-03-22
; PRIOR APPLICATION NUMBER: 09/925,298
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05861
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 846
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 617
; LENGTH: 362
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (307)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; US-10-102-806-617

```

```

Query Match      100.0%; Score 24; DB 9; Length 362;
Best Local Similarity 100.0%; Pred. No. 3.9e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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```

QY 1 AVWPQ 5
DB 71 AVWPQ 75

```

```

RESULT 7
US-09-815-242-10568
; Sequence 10568, Application US/09815242
; Patent No. US20020061569A1

```

```

; GENERAL INFORMATION:
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari L.
; APPLICANT: Zykkind, Judith W.
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John D.
; APPLICANT: Carr, Grant J.
; APPLICANT: Yamamoto, Robert T.
; APPLICANT: Xu, H. Howard
; TITLE OF INVENTION: Identification of Essential Genes in
; FILE REFERENCE: ELITRA.011A
; CURRENT APPLICATION NUMBER: US/09/815,242
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 14110
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10568
; LENGTH: 400
; TYPE: PRT
; ORGANISM: Enterococcus faecalis
; US-09-815-242-10568

```

```

Query Match      100.0%; Score 24; DB 10; Length 400;
Best Local Similarity 100.0%; Pred. No. 4.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 AVWPQ 5
DB 110 AVWPQ 114

```

```

RESULT 8
US-09-746-783-66
; Sequence 66, Application US/09746783
; Publication No. US20030044935A1
; GENERAL INFORMATION:
; APPLICANT: Jacobs, Kenneth
; APPLICANT: McCoy, John M.
; APPLICANT: Lavallie, Edward R.
; APPLICANT: Racine, Lisa A.
; APPLICANT: Treacy, Maurice
; APPLICANT: Spaulding, Vikki
; APPLICANT: Agostino, Michael J.
; APPLICANT: Howes, Steven H.
; APPLICANT: Fechtel, Kim
; TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES
; FILE REFERENCE: ENCODING THEM
; NUMBER OF SEQUENCES: 231
; CORRESPONDENCE ADDRESS:
; ADDRESSER: Genetics Institute, Inc.
; STREET: 87 Cambridgepark Drive
; CITY: Cambridge
; STATE: MA
; COUNTRY: U.S.A.
; ZIP: 02140
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS

```

```

SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
  APPLICATION NUMBER: US/09/746,783
  FILING DATE: 21-Dec-2000
  CLASSIFICATION: <Unknown>
  ATTORNEY/AGENT INFORMATION:
    NAME: Milasincic, Debra J.
    REGISTRATION NUMBER: 46,931
  TELECOMMUNICATION INFORMATION:
    TELEPHONE: (617) 227-7400
    TELEFAX: (617) 742-4214
  INFORMATION FOR SEQ ID NO: 66:
    SEQUENCE CHARACTERISTICS:
      LENGTH: 482 amino acids
      TYPE: amino acid
      STRANDEDNESS: <Unknown>
      TOPOLOGY: linear
  MOLECULE TYPE: protein
  SEQUENCE DESCRIPTION: SEQ ID NO: 66:
US-09-746-783-66

```

```

Query Match          100.0%; Score 24; DB 9; Length 482;
Best Local Similarity 100.0%; Pred. No. 5,3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy 1 AVVPQ 5
    |||||
Db 254 AVVPQ 258

```

```

RESULT 9
US-10-042-431-70
  Sequence 70, Application US/10042431
  GENERAL INFORMATION:
    APPLICANT: MCCARTHY, Sean A
    APPLICANT: FRASER, Christopher C
    APPLICANT: SHARP, John D
    TITLE OF INVENTION: NOVEL GENES ENCODING PROTEINS HAVING DIAGNOSTIC,
    FILE REFERENCE: 10147-6U2
    PREVENTIVE, THERAPEUTIC, AND OTHER USES
  CURRENT APPLICATION NUMBER: US/10/042,431
  CURRENT FILING DATE: 2001-10-25
  PRIOR APPLICATION NUMBER: US 09/333,159
  PRIOR FILING DATE: 1999-06-14
  PRIOR APPLICATION NUMBER: US 09/578,063
  PRIOR FILING DATE: 2000-05-24
  NUMBER OF SEQ ID NOS: 79
  SOFTWARE: Patentin Ver. 2.1
  SEQ ID NO 70
  LENGTH: 760
  TYPE: PRT
  ORGANISM: Mus sp.
US-10-042-431-70

```

```

Query Match          100.0%; Score 24; DB 9; Length 760;
Best Local Similarity 100.0%; Pred. No. 8,8e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy 1 AVVPQ 5
    |||||
Db 446 AVVPQ 450

```

```

RESULT 10
US-10-042-431-76
  Sequence 76, Application US/10042431
  Publication No. US20020182675A1
  GENERAL INFORMATION:
    APPLICANT: MCCARTHY, Sean A
    APPLICANT: BARNES, Thomas M
    APPLICANT: FRASER, Christopher C

```

```

APPLICANT: SHARP, John D
  TITLE OF INVENTION: NOVEL GENES ENCODING PROTEINS HAVING DIAGNOSTIC,
  PREVENTIVE, THERAPEUTIC, AND OTHER USES
  FILE REFERENCE: 10147-6U2
  CURRENT APPLICATION NUMBER: US/10/042,431
  CURRENT FILING DATE: 2001-10-25
  PRIOR APPLICATION NUMBER: US 09/333,159
  PRIOR FILING DATE: 1999-06-14
  PRIOR APPLICATION NUMBER: US 09/578,063
  PRIOR FILING DATE: 2000-05-24
  NUMBER OF SEQ ID NOS: 79
  SOFTWARE: Patentin Ver. 2.1
  SEQ ID NO 76
  LENGTH: 760
  TYPE: PRT
  ORGANISM: Mus sp.
US-10-042-431-76

```

```

Query Match          100.0%; Score 24; DB 9; Length 760;
Best Local Similarity 100.0%; Pred. No. 8,8e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy 1 AVVPQ 5
    |||||
Db 446 AVVPQ 450

```

```

RESULT 11
US-09-759-130B-440
  Sequence 440, Application US/09759130B
  Publication No. US2003002279A1
  GENERAL INFORMATION:
    APPLICANT: Millennium Pharmaceuticals, Inc.
    APPLICANT: McCarthy, Sean A
    APPLICANT: Fraser, Christopher C
    APPLICANT: Sharp, John D
    APPLICANT: Barnes, Thomas S
    APPLICANT: Kirst, Susan J
    APPLICANT: Mackay, Charles R
    APPLICANT: Myers, Paul S
    APPLICANT: Leiby, Kevin R
    APPLICANT: Wrighton, Nicolas
    APPLICANT: Goodearl, Andrew
    APPLICANT: Holtzman, Douglas A
  TITLE OF INVENTION: NOVEL GENES ENCODING PROTEINS HAVING
  PROGNOSTIC, DIAGNOSTIC, PREVENTIVE, THERAPEUTIC, AND OTHER
  TITLE OF INVENTION: US8.
  FILE REFERENCE: MPI00-5350MNIM
  CURRENT APPLICATION NUMBER: US/09/759,130B
  CURRENT FILING DATE: 2002-09-16
  PRIOR APPLICATION NUMBER: US 09/479,249
  PRIOR FILING DATE: 2000-01-07
  PRIOR APPLICATION NUMBER: US 09/559,497
  PRIOR FILING DATE: 2000-04-27
  PRIOR APPLICATION NUMBER: US 09/578,063
  PRIOR FILING DATE: 2000-05-24
  PRIOR APPLICATION NUMBER: US 09/333,159
  PRIOR FILING DATE: 1999-06-14
  PRIOR APPLICATION NUMBER: US 09/596,194
  PRIOR FILING DATE: 2000-07-14
  PRIOR APPLICATION NUMBER: US 09/342,364
  PRIOR FILING DATE: 1999-06-29
  PRIOR APPLICATION NUMBER: US 09/608,452
  PRIOR FILING DATE: 2000-06-30
  PRIOR APPLICATION NUMBER: US 09/393,996
  PRIOR FILING DATE: 1999-09-10
  PRIOR APPLICATION NUMBER: US 09/602,871
  PRIOR FILING DATE: 2000-06-23
  PRIOR APPLICATION NUMBER: US 09/420,707
  PRIOR FILING DATE: 1999-10-19
  NUMBER OF SEQ ID NOS: 460
  SOFTWARE: FastSeq for Windows Version 4.0
  SEQ ID NO 440

```

LENGTH: 760  
TYPE: PRT  
ORGANISM: Mus sp.  
US-09-759-130B-440

Query Match  
Best Local Similarity 100.0%; Score 24; DB 9; Length 760;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AVVPO 5  
Db 446 AVVPO 450

## RESULT 12

US-09-759-130B-446  
Sequence 446, Application US/09759130B  
Publication No. US2003022279A1  
GENERAL INFORMATION:  
APPLICANT: Millennium Pharmaceuticals, Inc.  
APPLICANT: McCarthy, Sean A  
APPLICANT: Fraser, Christopher C  
APPLICANT: Sharp, John D  
APPLICANT: Barnes, Thomas S  
APPLICANT: Kirst, Susan J  
APPLICANT: Mackay, Charles R  
APPLICANT: Myers, Paul S  
APPLICANT: Leiby, Kevin R  
APPLICANT: Wrighton, Nicolas  
APPLICANT: Goodheart, Andrew  
APPLICANT: Holtzman, Douglas A  
TITLE OF INVENTION: NOVEL GENES ENCODING PROTEINS HAVING  
TITLE OF INVENTION: PROGNOSTIC, DIAGNOSTIC, PREVENTIVE, THERAPEUTIC, AND OTHER  
TITLE OF INVENTION: USRS  
FILE REFERENCE: MPIO-5350NMIM  
CURRENT APPLICATION NUMBER: US/09/759,130B  
CURRENT FILING DATE: 2002-09-16  
PRIOR APPLICATION NUMBER: US 09/479,249  
PRIOR FILING DATE: 2000-01-07  
PRIOR APPLICATION NUMBER: US 09/555,497  
PRIOR FILING DATE: 2000-04-27  
PRIOR APPLICATION NUMBER: US 09/578,063  
PRIOR FILING DATE: 2000-05-24  
PRIOR APPLICATION NUMBER: US 09/333,159  
PRIOR FILING DATE: 1999-06-14  
PRIOR APPLICATION NUMBER: US 09/596,194  
PRIOR FILING DATE: 2000-07-14  
PRIOR APPLICATION NUMBER: US 09/342,364  
PRIOR FILING DATE: 1999-06-29  
PRIOR APPLICATION NUMBER: US 09/608,452  
PRIOR FILING DATE: 2000-06-30  
PRIOR APPLICATION NUMBER: US 09/393,996  
PRIOR FILING DATE: 1999-09-10  
PRIOR APPLICATION NUMBER: US 09/602,871  
PRIOR FILING DATE: 2000-06-23  
PRIOR APPLICATION NUMBER: US 09/420,707  
PRIOR FILING DATE: 1999-10-19  
NUMBER OF SEQ ID NOS: 460  
SOFTWARE: FASTSEQ for Windows Version 4.0  
SEQ ID NO 446  
LENGTH: 760  
TYPE: PRT  
ORGANISM: Mus sp.  
US-09-759-130B-446

Qy 1 AVVPO 5  
Db 446 AVVPO 450

Query Match  
Best Local Similarity 100.0%; Score 24; DB 9; Length 760;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AVVPO 5  
Db 446 AVVPO 450

## RESULT 13

US-09-836-392-16  
Sequence 16, Application US/0986392  
Patent No. US20020173458A1  
GENERAL INFORMATION:  
APPLICANT: Ruben et al.  
TITLE OF INVENTION: Protein Tyrosine Kinase Receptor Polynucleotides, Polypeptides, ar  
TITLE OF INVENTION: Antibodies  
FILE REFERENCE: PT020P1  
CURRENT APPLICATION NUMBER: US/09/836,392  
CURRENT FILING DATE: 2001-04-18  
PRIOR APPLICATION NUMBER: PCT/US00/28066  
PRIOR FILING DATE: 2000-10-11  
PRIOR APPLICATION NUMBER: 60/159,542  
PRIOR FILING DATE: 1999-10-15  
PRIOR APPLICATION NUMBER: 60/165,914  
PRIOR FILING DATE: 1999-11-17  
PRIOR APPLICATION NUMBER: 60/189,027  
PRIOR FILING DATE: 2000-03-14  
NUMBER OF SEQ ID NOS: 34  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 16  
LENGTH: 1134  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-836-392-16

Query Match  
Best Local Similarity 100.0%; Score 24; DB 9; Length 1134;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AVVPO 5  
Db 1011 AVVPO 1015

## RESULT 14

US-09-862-027-78  
Sequence 78, Application US/09862027  
Patent No. US20020142428A1  
GENERAL INFORMATION:  
APPLICANT: Hodge, Martin R.  
TITLE OF INVENTION: No. US20020142428A1 kinases and uses thereof  
FILE REFERENCE: 35800/224862  
CURRENT APPLICATION NUMBER: US/09/862,027  
CURRENT FILING DATE: 2001-05-21  
PRIOR APPLICATION NUMBER: US 09/345,473  
PRIOR FILING DATE: 1999-06-30  
NUMBER OF SEQ ID NOS: 82  
SOFTWARE: FASTSEQ for Windows Version 4.0  
SEQ ID NO 78  
LENGTH: 1237  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-862-027-78

Query Match  
Best Local Similarity 100.0%; Score 24; DB 10; Length 1237;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AVVPO 5  
Db 1114 AVVPO 1118

## RESULT 15

US-10-101-388-3  
Sequence 3, Application US/10101388  
Patent No. US20020162142A1  
GENERAL INFORMATION:  
APPLICANT: Jhal, Gurmugh S  
APPLICANT: Multani, Dilbag S

; APPLICANT: Briggs, Steven P  
 ; TITLE OF INVENTION: GENES AND METHODS FOR MANIPULATION OF GROWTH  
 ; FILE REFERENCE: 5718-81 (035718/205794)  
 ; CURRENT APPLICATION NUMBER: US/10/101,388  
 ; CURRENT FILING DATE: 2002-03-19  
 ; PRIOR APPLICATION NUMBER: 09/711,562  
 ; PRIOR FILING DATE: 2000-11-13  
 ; PRIOR APPLICATION NUMBER: 60/164,886  
 ; PRIOR FILING DATE: 1999-11-12  
 ; NUMBER OF SEQ ID NOS: 3  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 3  
 ; LENGTH: 1394  
 ; TYPE: PRT  
 ; ORGANISM: Zea mays  
 US-10-101-388-3

Query Match 100.0%; Score 24; DB 9; Length 1394;  
 Best Local Similarity 100.0%; Pred. No. 1.7e+03;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVVPQ 5  
 Db 1200 AVVPQ 1204

Search completed: April 16, 2003, 09:51:41  
 Job time : 11 secs

GenCore version 5.1.4.P5.4578  
Copyright (c) 1993 - 2003 Compugen Ltd.

## OM protein - protein search, using SW model

Run on: April 16, 2003, 09:32:02 ; Search time 8.69565 Seconds  
(without alignments)  
16.918 Million cell updates/sec

Title: US-09-580-156d-45  
Perfect score: 24  
Sequence: 1 AVVPQ 5

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents\_AA:\*  
1: /cgn2\_6/prodata/1/aa/5A COMB pep.\*  
2: /cgn2\_6/prodata/1/aa/5B COMB pep.\*  
3: /cgn2\_6/prodata/1/aa/5A COMB pep.\*  
4: /cgn2\_6/prodata/1/aa/5B COMB pep.\*  
5: /cgn2\_6/prodata/1/aa/PCTUS COMB pep.\*  
6: /cgn2\_6/prodata/1/aa/backfile1 pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	24	100.0	16	1	US-09-500-651-4
2	24	100.0	16	2	US-08-813-591-4
3	24	100.0	252	4	US-08-858-207A-325
4	24	100.0	485	1	US-07-881-075-1
5	24	100.0	485	1	US-08-120-827-1
6	24	100.0	485	1	US-08-478-675-1
7	24	100.0	570	4	US-08-969-046-4
8	24	100.0	731	2	US-08-911-364-1
9	24	100.0	733	4	US-08-464-700-2
10	24	100.0	732	4	US-08-678-039A-40
11	23	95.8	77	3	US-09-100-804-17
12	23	95.8	97	1	US-08-410-804-3
13	23	95.8	97	1	US-08-259-514-3
14	23	95.8	97	1	US-08-858-311-3
15	23	95.8	282	4	US-09-134-001C-4308
16	23	95.8	413	1	US-08-485-618-101
17	23	95.8	413	2	US-08-605-672-101
18	23	95.8	413	2	US-08-482-293A-101
19	23	95.8	413	2	US-08-943-363-101
20	23	95.8	413	4	US-09-193-043-101
21	23	95.8	413	4	US-09-688-307A-101
22	23	95.8	418	2	US-08-290-731C-13
23	23	95.8	467	4	US-09-129-112-19
24	23	95.8	491	4	US-09-426-568A-2
25	23	95.8	494	3	US-08-484-661A-39
26	23	95.8	494	3	US-08-656-664-39
27	23	95.8	494	5	PCT-US96-09641-39

28	23	95.8	503	4	US-09-068-195-24	Sequence 24, Appl
29	23	95.8	571	3	US-08-484-661A-37	Sequence 37, Appl
30	23	95.8	571	3	US-08-656-664-37	Sequence 37, Appl
31	23	95.8	571	5	PCT-US96-09641-37	Sequence 37, Appl
32	23	95.8	578	3	US-08-484-661A-11	Sequence 11, Appl
33	23	95.8	578	3	US-08-656-664-11	Sequence 11, Appl
34	23	95.8	578	5	PCT-US96-09641-11	Sequence 11, Appl
35	23	95.8	610	1	US-08-410-804-1	Sequence 1, Appl
36	23	95.8	610	1	US-08-259-514-1	Sequence 1, Appl
37	23	95.8	610	2	US-08-858-311-1	Sequence 1, Appl
38	23	95.8	610	3	US-08-484-661A-8	Sequence 8, Appl
39	23	95.8	610	3	US-08-484-661A-16	Sequence 16, Appl
40	23	95.8	610	3	US-08-484-661A-19	Sequence 19, Appl
41	23	95.8	610	3	US-08-484-661A-23	Sequence 23, Appl
42	23	95.8	610	3	US-08-484-661A-26	Sequence 26, Appl
43	23	95.8	610	3	US-08-484-661A-29	Sequence 29, Appl
44	23	95.8	610	3	US-08-484-661A-33	Sequence 33, Appl
45	23	95.8	610	3	US-08-484-661A-35	Sequence 35, Appl

## ALIGNMENTS

RESULT 1  
US-09-500-651-4  
Sequence 4, Application US/09500651  
GENERAL INFORMATION:  
APPLICANT: ASANO, MINAO  
APPLICANT: KAWAI, MISAKO  
APPLICANT: MIWA, TETSUYA  
APPLICANT: NIO, NORIKI  
TITLE OF INVENTION: AMINOPEPTIDASE GX, AND A METHOD OF  
TITLE OF INVENTION: HYDROLYSING A PROTEIN WITH THE SAME  
NUMBER OF SEQUENCES: 8  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,  
P.C.  
STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400  
CITY: ARLINGTON  
STATE: VA  
COUNTRY: USA  
ZIP: 22202  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/500,651  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/813,591  
FILING DATE:  
APPLICATION DATA:  
APPLICATION NUMBER: JP 030458/1997  
FILING DATE: 14-FEB-1997  
ATTORNEY/AGENT INFORMATION:  
NAME: OBLON, NORMAN F.  
REGISTRATION NUMBER: 24,618  
REFERENCE/DOCKET NUMBER: 10-845-0  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 703-413-3000  
TELEFAX: 703-413-2220  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 16 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-09-500-651-4

Query Match 100.0%; Score 24; DB 1; Length 16;  
Best Local Similarity 100.0%; Pred. No. 16;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVVPQ 5  
| | | | |  
Db 7 AVVPQ 11

## RESULT 2

US-08-813-591-4  
; Sequence 4, Application US/08813591  
; Patent No. 5824534  
; GENERAL INFORMATION:  
; APPLICANT: ASANO, MINAO  
; APPLICANT: KAMAI, TETSUYA  
; APPLICANT: MINA, TETSUYA  
; APPLICANT: NIO, NORIKI  
; TITLE OF INVENTION: AMINOPEPTIDASE GX, AND A METHOD OF  
; TITLE OF INVENTION: HYDROLYSING A PROTEIN WITH THE SAME  
; NUMBER OF SEQUENCES: 8  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,  
; P.C.  
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400  
; CITY: ARLINGTON  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22202  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; OPERATING SYSTEM: IBM PC compatible  
; SOFTWARE: Patentin Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/813,591  
; FILING DATE: 07-MAR-1997  
; CLASSIFICATION: 530  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: JP 051848/1996  
; FILING DATE: 08-MAR-1996  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: JP 030458/1997  
; FILING DATE: 14-FEB-1997  
; ATTORNEY/AGENT INFORMATION:  
; NAME: OBLON, NORMAN F.  
; REGISTRATION NUMBER: 24,618  
; REFERENCE/DOCKET NUMBER: 10-845-0  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 703-413-3000  
; TELEFAX: 703-413-2220  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 16 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; US-08-813-591-4

Query Match 100.0%; Score 24; DB 2; Length 16;  
Best Local Similarity 100.0%; Pred. No. 16;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVVPQ 5  
| | | | |  
Db 7 AVVPQ 11

RESULT 3  
US-08-858-207A-325  
; Sequence 325, Application US/08858207A  
; Patent No. 6348328

; GENERAL INFORMATION:  
; APPLICANT: Black, Michael  
; APPLICANT: Hodgson, John  
; APPLICANT: Knowles, David  
; APPLICANT: Nicholas, Richard  
; APPLICANT: Stodola, Robert  
; TITLE OF INVENTION: No. 6348328e1 Compounds  
; NUMBER OF SEQUENCES: 552  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: SmithKline Beecham Corporation  
; STREET: 709 Swedeland Road  
; CITY: King of Prussia  
; STATE: PA  
; COUNTRY: USA  
; ZIP: 19406-0939  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: diskette  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FASTSEQ for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/858,207A  
; FILING DATE: 09-MAY-1997  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 60/017670  
; FILING DATE: 14-MAY-1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Gimmel, Edward R.  
; REGISTRATION NUMBER: 38,891  
; REFERENCE/DOCKET NUMBER: P50475  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 610-270-4478  
; TELEFAX: 610-270-5090  
; TELEX:  
; INFORMATION FOR SEQ ID NO: 325:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 252 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: No. 6348328e  
; US-08-858-207A-325

Query Match 100.0%; Score 24; DB 4; Length 252;  
Best Local Similarity 100.0%; Pred. No. 2.8e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVVPQ 5  
| | | | |  
Db 173 AVVPQ 177

RESULT 4  
US-07-881-075-1  
; Sequence 1, Application US/07881075  
; Patent No. 5444149  
; GENERAL INFORMATION:  
; APPLICANT: KEENE, JACK D.  
; APPLICANT: KING, PETER H.  
; APPLICANT: LEVINE, TODD  
; TITLE OF INVENTION: METHODS AND COMPOSITIONS USEFUL IN THE  
; TITLE OF INVENTION: RECOGNITION, BINDING AND EXPRESSION OF  
; TITLE OF INVENTION: INVOLVED IN CELL GROWTH, NEOPLASIA AND  
; NUMBER OF SEQUENCES: 51  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,  
; P.C.  
; STREET: 1755 Jefferson Davis Highway, Fourth Floor  
; CITY: Arlington  
; STATE: Virginia  
; COUNTRY: U.S.A.  
; ZIP: 22202



COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/881,075  
FILING DATE: 19920511  
CLASSIFICATION: 530  
ATTORNEY/AGENT INFORMATION:  
NAME: Obion, No. 5444149man F.  
REGISTRATION NUMBER: 24,618  
REFERENCE/DOCKET NUMBER: 714-154-0  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703)521-4500  
TELEFAX: (703)486-2347  
TELEX: 248855 OPAT UR  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 485 amino acids  
TYPE: AMINO ACID  
TOPOLOGY: unknown  
MOLECULE TYPE: protein  
US-07-881-075-1

Query Match 100.0%; Score 24; DB 1; Length 485;  
Best Local Similarity 100.0%; Pred. No. 5.4e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVVPO 5  
Db 119 AVVPO 123

RESULT 5  
US-08-120-827-1  
Sequence 1, Application US/08120827  
Patent No. 5525495  
GENERAL INFORMATION:  
APPLICANT: KEENE, JACK D.  
APPLICANT: KING, PETER H.  
APPLICANT: LEVINE, TODD  
TITLE OF INVENTION: METHODS AND COMPOSITIONS USEFUL IN THE  
TITLE OF INVENTION: RECOGNITION, BINDING AND EXPRESSION OF RIBONUCLEIC ACIDS  
TITLE OF INVENTION: INVOLVED IN CELL GROWTH, NEOPLASIA AND IMMUNOREGULATION  
NUMBER OF SEQUENCES: 101  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,  
ADDRESS: P.C.  
STREET: 1755 Jefferson Davis Highway, Fourth Floor  
CITY: Arlington  
STATE: Virginia  
COUNTRY: U.S.A.  
ZIP: 22202  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/120,827  
FILING DATE: 15-SEP-1993  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Obion, No. 5525495man F.  
REGISTRATION NUMBER: 24,618  
REFERENCE/DOCKET NUMBER: 714-158-0 CIP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703)413-3000  
TELEFAX: (703)413-2220  
TELEX: 248855 OPAT UR  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:

LENGTH: 485 amino acids  
TYPE: amino acid  
TOPOLOGY: unknown  
MOLECULE TYPE: protein  
US-08-120-827-1

Query Match 100.0%; Score 24; DB 1; Length 485;  
Best Local Similarity 100.0%; Pred. No. 5.4e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVVPO 5  
Db 119 AVVPO 123

RESULT 6  
US-08-478-675-1  
Sequence 1, Application US/08478675  
Patent No. 5773246  
GENERAL INFORMATION:  
APPLICANT: KEENE, JACK D.  
APPLICANT: KING, PETER H.  
APPLICANT: LEVINE, TODD  
TITLE OF INVENTION: METHODS AND COMPOSITIONS USEFUL IN THE  
TITLE OF INVENTION: RECOGNITION, BINDING AND EXPRESSION OF RIBONUCLEIC ACIDS  
TITLE OF INVENTION: INVOLVED IN CELL GROWTH, NEOPLASIA AND IMMUNOREGULATION  
NUMBER OF SEQUENCES: 101  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,  
ADDRESS: P.C.  
STREET: 1755 Jefferson Davis Highway, Fourth Floor  
CITY: Arlington  
STATE: Virginia  
COUNTRY: U.S.A.  
ZIP: 22202  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/478,675  
FILING DATE: 07-JUN-1996  
CLASSIFICATION: 536  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/120,827  
FILING DATE: 15-SEP-1993  
ATTORNEY/AGENT INFORMATION:  
NAME: Obion, No. 5773246man F.  
REGISTRATION NUMBER: 24,618  
REFERENCE/DOCKET NUMBER: 714-158-0 CIP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703)413-3000  
TELEFAX: (703)413-2220  
TELEX: 248855 OPAT UR  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 485 amino acids  
TYPE: amino acid  
TOPOLOGY: unknown  
MOLECULE TYPE: protein  
US-08-478-675-1

Query Match 100.0%; Score 24; DB 1; Length 485;  
Best Local Similarity 100.0%; Pred. No. 5.4e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVVPO 5  
Db 119 AVVPO 123

RESULT 7

US-08-969-046-4  
; Sequence 4, Application US/08969046B  
; Patent No. 6455762  
; GENERAL INFORMATION:  
; APPLICANT: Chiang, Vincent Lee C.  
; APPLICANT: Tsai, Chung-Yui  
; APPLICANT: Hu, Wen-Jing  
; TITLE OF INVENTION: Genetic engineering of trees through  
; TITLE OF INVENTION: manipulation of lignin biosynthesis  
; FILE REFERENCE: 881.003US1  
; CURRENT APPLICATION NUMBER: US/08/969,046B  
; CURRENT FILING DATE: 1997-11-12  
; NUMBER OF SEQ ID NOS: 15  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 4  
; LENGTH: 570  
; TYPE: PRT  
; ORGANISM: Populus tremuloides Michx.  
US-08-969-046-4

Query Match 100.0%; Score 24; DB 4; Length 570;  
Best Local Similarity 100.0%; Pred. No. 6.4e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVVPQ 5  
11111  
DB 493 AVVPQ 497

RESULT 8  
US-08-911-364-1  
; Sequence 1, Application US/08911364  
; Patent No. 5969106  
; GENERAL INFORMATION:  
; APPLICANT: ROTHSTEIN, Aser  
; APPLICANT: KEELY, Fred W.  
; APPLICANT: ROTHSTEIN, Steven J.  
; TITLE OF INVENTION: SELF-ALIGNING PEPTIDES MODELED ON HUMAN  
; TITLE OF INVENTION: ELASTIN AND OTHER FIBROUS PROTEINS  
; NUMBER OF SEQUENCES: 8  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: FOLEY & LARDNER  
; STREET: 3000 K Street, N.W.  
; CITY: Washington  
; STATE: D.C.  
; COUNTRY: U.S.A.  
; ZIP: 20007-5109  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/911,364  
; FILING DATE: 07-AUG-1997  
; CLASSIFICATION: 530  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 60/023,552  
; FILING DATE: 07-AUG-1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Bent, Stephen A.  
; REGISTRATION NUMBER: 29,768  
; REFERENCE/DOCKET NUMBER: 041082/0104  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (202) 672-5300  
; TELEFAX: (202) 672-5399  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 731 amino acids  
; TYPE: amino acid  
; STRANDEDNESS:  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide

US-08-911-364-1

Query Match 100.0%; Score 24; DB 2; Length 731;  
Best Local Similarity 100.0%; Pred. No. 8.2e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVVPQ 5  
11111  
DB 101 AVVPQ 105

RESULT 9  
US-08-464-700-2  
; Sequence 2, Application US/08464700  
; Patent No. 6232458  
; GENERAL INFORMATION:  
; APPLICANT: WEISS, ANTHONY S  
; APPLICANT: MARTIN, STEPHEN L  
; TITLE OF INVENTION: SYNTHETIC POLYNUCLEOTIDES  
; NUMBER OF SEQUENCES: 54  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Howson and Howson  
; STREET: Spring House Corporate Cntr, PO Box 457  
; CITY: Spring House  
; STATE: Pennsylvania  
; COUNTRY: USA  
; ZIP: 19477  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/464,700  
; FILING DATE: 7-JUN-1995  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: AU PL6520  
; FILING DATE: 22-DEC-1992  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: AU PL9661  
; FILING DATE: 28-JUN-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: PCT/AU93/00655  
; FILING DATE: 16-DEC-1993  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Bak, Maty E.  
; REGISTRATION NUMBER: 31,215  
; REFERENCE/DOCKET NUMBER: GHC3USA  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 215-540-9200  
; TELEFAX: 215-540-5818  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 733 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-464-700-2

QY 1 AVVPQ 5  
11111  
DB 103 AVVPQ 107

RESULT 10  
US-08-678-039A-40  
; Sequence 40, Application US/08678039A  
; Patent No. 5858662

GENERAL INFORMATION:  
APPLICANT: Keating, Mark T.  
APPLICANT: Morris, Colleen A.  
TITLE OF INVENTION: Diagnosis of Williams Syndrome and  
TITLE OF INVENTION: Williams Syndrome Cognitive Profile by Analysis of the  
TITLE OF INVENTION: Presence or Absence of a LIM-Kinase Gene  
NUMBER OF SEQUENCES: 42  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Rothwell, Figg, Ernst & Kurz, P.C.  
STREET: 555 Thirteenth Street, N.W., Suite 701 East  
STREET: Tower  
CITY: Washington  
STATE: DC  
COUNTRY: U.S.A.  
ZIP: 20004  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/678,039A  
FILING DATE: 10-JUL-1996  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Saxe, Stephen A.  
REGISTRATION NUMBER: 38,609  
REFERENCE/DOCKET NUMBER: 2323-120A  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 202-624-1589  
TELEFAX: 202-783-6031  
INFORMATION FOR SEQ ID NO: 40:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 792 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-678-039A-40

Query Match 100.0%; Score 24; DB 2; Length 792;  
Best Local Similarity 100.0%; Pred. No. 8.9e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AVPQ 5  
Db 127 AVPQ 131

RESULT 11  
US-09-100-804-17  
Sequence 17, Application US/09100804  
Patent No. 6066472  
GENERAL INFORMATION:  
APPLICANT: GONZ, LEONEL JORGE  
APPLICANT: SARAS, JAN  
APPLICANT: CLAESSON-WELSH, LENA  
APPLICANT: HELDIN, CARL-HENRIK  
TITLE OF INVENTION: PRIMARY STRUCTURE AND FUNCTIONAL  
TITLE OF INVENTION: EXPRESSION OF NUCLEOTIDE SEQUENCES FOR NOVEL PROTEIN  
NUMBER OF SEQUENCES: 34  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.  
STREET: 600 ATLANTIC AVENUE  
CITY: BOSTON  
STATE: MASSACHUSETTS  
COUNTRY: USA  
ZIP: 02210  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.25

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/100,804  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/596,291  
FILING DATE: 09-AUG-1996  
APPLICATION NUMBER: US 08/115,573  
FILING DATE: 01-SEP-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: PCT/US94/09943  
FILING DATE: 01-SEP-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: GATES, EDWARD R.  
REGISTRATION NUMBER: 31,616  
REFERENCE/DOCKET NUMBER: LQ461/7003  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 617-720-3500  
TELEFAX: 617-720-2441  
TELEX:  
INFORMATION FOR SEQ ID NO: 17:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 77 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
US-09-100-804-17

Query Match 95.8%; Score 23; DB 3; Length 77;  
Best Local Similarity 80.0%; Pred. No. 1.4e+02;  
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AVPQ 5  
Db 27 AVPQ 31

RESULT 12  
US-08-410-804-3  
Sequence 3, Application US/08410804  
Patent No. 563294  
GENERAL INFORMATION:  
APPLICANT: Reed, John C.  
APPLICANT: Sato, Takaki  
TITLE OF INVENTION: PAS ASSOCIATED PROTEINS  
NUMBER OF SEQUENCES: 22  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Cathryn Campbell  
STREET: 4370 La Jolla Village Drive, Ste 700  
CITY: San Diego  
STATE: California  
COUNTRY: United States  
ZIP: 92122  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/410,804  
FILING DATE: 27-MAR-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/259,514  
FILING DATE: 14-JUN-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Campbell, Cathryn  
REGISTRATION NUMBER: 31,815  
REFERENCE/DOCKET NUMBER: P-LJ 1389  
TELECOMMUNICATION INFORMATION:

TELEPHONE: (619) 535-9001  
TELEFAX: (619) 535-8949  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 97 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-410-804-3

Query Match 95.8%; Score 23; DB 1; Length 97;  
Best Local Similarity 80.0%; Pred. No. 1.8e+02;  
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

OY 1 AVVPQ 5  
DB 28 AVIPQ 32

RESULT 13  
US-08-259-514-3  
Sequence 3, Application US/08259514  
Patent No. 5747245  
GENERAL INFORMATION:  
APPLICANT: Reed, John C.  
APPLICANT: Sato, Takaaki  
TITLE OF INVENTION: FAS ASSOCIATED PROTEINS  
NUMBER OF SEQUENCES: 22  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Cathryn Campbell  
STREET: 4370 La Jolla Village Drive, Ste 700  
CITY: San Diego  
STATE: California  
COUNTRY: United States  
ZIP: 92122  
COMPUTER READABLE FORM:  
MEDIUM TYPE: floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/259,514  
FILING DATE: 14-JUN-1994  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Campbell, Cathryn  
REGISTRATION NUMBER: 31,815  
REFERENCE/DOCKET NUMBER: P-LJ 9954  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (619) 535-9001  
TELEFAX: (619) 535-8949  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 97 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-259-514-3

Query Match 95.8%; Score 23; DB 1; Length 97;  
Best Local Similarity 80.0%; Pred. No. 1.8e+02;  
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

OY 1 AVVPQ 5  
DB 28 AVIPQ 32

RESULT 14  
US-08-858-311-3  
Sequence 3, Application US/08858311  
Patent No. 5876939  
GENERAL INFORMATION:

APPLICANT: Reed, John C.  
APPLICANT: Sato, Takaaki  
TITLE OF INVENTION: FAS ASSOCIATED PROTEINS  
NUMBER OF SEQUENCES: 22  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Cathryn Campbell  
STREET: 4370 La Jolla Village Drive, Ste 700  
CITY: San Diego  
STATE: California  
COUNTRY: United States  
ZIP: 92122  
COMPUTER READABLE FORM:  
MEDIUM TYPE: floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/858,311  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/410,804  
FILING DATE: 27-MAR-1995  
APPLICATION NUMBER: US 08/259,514  
FILING DATE: 14-JUN-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Campbell, Cathryn  
REGISTRATION NUMBER: 31,815  
REFERENCE/DOCKET NUMBER: P-LJ 1389  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (619) 535-9001  
TELEFAX: (619) 535-8949  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 97 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-858-311-3

Query Match 95.8%; Score 23; DB 2; Length 97;  
Best Local Similarity 80.0%; Pred. No. 1.8e+02;  
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

OY 1 AVVPQ 5  
DB 28 AVIPQ 32

RESULT 15  
US-09-134-001C-4308  
Sequence 4308, Application US/09134001C  
Patent No. 6380370  
GENERAL INFORMATION:  
APPLICANT: Lynn Doucette-Stamm et al  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS  
FILE REFERENCE: GTC-007  
CURRENT APPLICATION NUMBER: US/09/134,001C  
CURRENT FILING DATE: 1998-08-13  
PRIOR APPLICATION NUMBER: US 60/064,964  
PRIOR FILING DATE: 1997-11-08  
PRIOR APPLICATION NUMBER: US 60/055,779  
PRIOR FILING DATE: 1997-08-14  
NUMBER OF SEQ ID NOS: 5674  
SEQ ID NO 4308  
LENGTH: 282  
TYPE: PRT  
ORGANISM: Staphylococcus epidermidis  
US-09-134-001C-4308

Query Match 95.8%; Score 23; DB 4; Length 282;  
Best Local Similarity 80.0%; Pred. No. 5.2e+02;

Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 AVVPQ 5  
Db 205 AVVPQ 209

Search completed: April 16, 2003, 09:40:01  
Job time : 9.69565 secs

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OM protein - protein search, using SW model

Run on: April 16, 2003, 09:38:18 ; Search time 24 Seconds  
(without alignments)  
38,983 Million cell updates/sec

Title: US-09-580-156D-46

Perfect score: 30

Sequence: 1 GAVVPQ 6

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 705215 seqs, 155932251 residues

Total number of hits satisfying chosen parameters: 705215

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Pending Patents\_AA\_New:\*  
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2: /cgn2\_6/ptodata/1/paa/US06\_NEW\_COMB.pep:\*  
3: /cgn2\_6/ptodata/1/paa/US07\_NEW\_COMB.pep:\*  
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	30	100.0	6	5 US-09-580-893C-44	Sequence 44, Appl
2	30	100.0	6	5 US-09-580-893C-46	Sequence 46, Appl
3	30	100.0	6	5 US-09-580-893C-48	Sequence 48, Appl
4	30	100.0	6	5 US-09-580-893D-44	Sequence 44, Appl
5	30	100.0	6	5 US-09-580-893D-46	Sequence 46, Appl
6	30	100.0	6	5 US-09-580-893D-48	Sequence 48, Appl
7	30	100.0	6	5 US-09-580-110E-44	Sequence 44, Appl
8	30	100.0	6	5 US-09-580-110E-46	Sequence 46, Appl
9	30	100.0	6	5 US-09-580-110E-48	Sequence 48, Appl
10	30	100.0	6	5 US-09-580-156D-44	Sequence 44, Appl
11	30	100.0	6	5 US-09-580-156D-46	Sequence 46, Appl
12	30	100.0	6	5 US-09-580-156D-48	Sequence 48, Appl
13	30	100.0	8	5 US-09-580-893C-51	Sequence 51, Appl
14	30	100.0	8	5 US-09-580-893C-54	Sequence 54, Appl
15	30	100.0	8	5 US-09-580-893D-51	Sequence 51, Appl
16	30	100.0	8	5 US-09-580-893D-54	Sequence 54, Appl
17	30	100.0	8	5 US-09-580-110E-51	Sequence 51, Appl
18	30	100.0	8	5 US-09-580-110E-54	Sequence 54, Appl
19	30	100.0	8	5 US-09-580-156D-51	Sequence 51, Appl
20	30	100.0	8	5 US-09-580-156D-54	Sequence 54, Appl
21	30	100.0	577	7 US-60-452-680-19141	Sequence 19141, A
22	30	100.0	584	5 US-09-949-016-7229	Sequence 7229, Ap
23	30	100.0	692	6 US-10-210-172-40	Sequence 40, Appl
24	30	100.0	700	5 US-09-950-084-5810	Sequence 5810, Ap
25	30	100.0	702	7 US-60-453-135-10290	Sequence 10290, A
26	30	100.0	702	7 US-60-453-050-10290	Sequence 10290, A

27	30	100.0	711	6 US-10-210-172-38	Sequence 38, Appl
28	30	100.0	757	7 US-60-453-135-10289	Sequence 10289, A
29	30	100.0	757	7 US-60-453-050-10289	Sequence 10289, A
30	30	100.0	1983	6 US-10-282-122A-43976	Sequence 43976, A
31	29	96.7	86	1 PCT-US02-32727-9139	Sequence 9139, Ap
32	29	96.7	86	5 US-09-978-825-9139	Sequence 9139, Ap
33	29	96.7	86	6 US-10-057-498-9139	Sequence 9139, Ap
34	29	96.7	288	5 US-09-134-000C-5110	Sequence 5110, Ap
35	29	96.7	288	5 US-09-134-000C-5110	Sequence 5110, Ap
36	29	96.7	406	6 US-10-369-493-8863	Sequence 8863, Ap
37	29	96.7	638	6 US-10-369-493-17957	Sequence 17957, A
38	27	90.0	53	6 US-10-285-045-4	Sequence 4, Appl
39	27	90.0	53	6 US-10-284-660-4	Sequence 4, Appl
40	27	90.0	169	5 US-09-724-676A-96011	Sequence 96011, A
41	27	90.0	169	5 US-09-724-676A-96011	Sequence 96011, A
42	27	90.0	218	6 US-10-366-683-21934	Sequence 21934, A
43	27	90.0	318	6 US-10-282-122A-65138	Sequence 65138, A
44	27	90.0	328	6 US-10-282-122A-66068	Sequence 66068, A
45	27	90.0	375	6 US-10-375-039-48	Sequence 48, Appl

## ALIGNMENTS

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RESULT 1
US-09-580-893C-44
Sequence 44 Application US/09580893C
GENERAL INFORMATION:
APPLICANT: SANDBERG, LAWRENCE B
APPLICANT: MITTS, THOMAS F
APPLICANT: JIMENEZ JR, FELIPE
TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS
FILE REFERENCE: 00-144-US
CURRENT APPLICATION NUMBER: US/09/580, 893C
CURRENT FILING DATE: 2002-10-08
NUMBER OF SEQ ID NOS: 75
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 44
LENGTH: 6
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Peptide
NAME/KEY: MOD_RES
LOCATION: (1)
OTHER INFORMATION: ACETYLATION
US-09-580-893C-44

Query Match          100.0%; Score 30; DB 5; Length 6;
Best Local Similarity 100.0%; Pred. No. 66+051;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy      1 GAVVPQ 6
Db      1 GAVVPQ 6

RESULT 2
US-09-580-893C-46
Sequence 46 Application US/09580893C
GENERAL INFORMATION:
APPLICANT: SANDBERG, LAWRENCE B
APPLICANT: MITTS, THOMAS F
APPLICANT: JIMENEZ JR, FELIPE
TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS
FILE REFERENCE: 00-144-US
CURRENT APPLICATION NUMBER: US/09/580, 893C
CURRENT FILING DATE: 2002-10-08
NUMBER OF SEQ ID NOS: 75
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 46
LENGTH: 6
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TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: Peptide  
US-09-580-893C-46

Query Match 100.0%; Score 30; DB 5; Length 6;  
Best Local Similarity 100.0%; Pred. No. 6e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 GAVVPO 6  
Db 1 GAVVPO 6

RESULT 3  
US-09-580-893C-48  
Sequence 48, Application US/09580893C  
GENERAL INFORMATION:  
APPLICANT: SANDBERG, LAWRENCE B  
APPLICANT: MITTS, THOMAS F  
APPLICANT: JIMENEZ JR, FELIPE  
TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS  
FILE REFERENCE: 00-144-US  
CURRENT APPLICATION NUMBER: US/09/580,893C  
CURRENT FILING DATE: 2002-10-08  
NUMBER OF SEQ ID NOS: 75  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 48  
LENGTH: 6  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: Peptide  
FEATURE:  
NAME/KEY: MOD\_RES  
LOCATION: (6)\_RES  
OTHER INFORMATION: AMIDATION  
US-09-580-893C-48

Query Match 100.0%; Score 30; DB 5; Length 6;  
Best Local Similarity 100.0%; Pred. No. 6e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 GAVVPO 6  
Db 1 GAVVPO 6

RESULT 4  
US-09-580-893D-44  
Sequence 44, Application US/09580893D  
GENERAL INFORMATION:  
APPLICANT: SANDBERG, LAWRENCE B  
APPLICANT: MITTS, THOMAS F  
APPLICANT: JIMENEZ JR, FELIPE  
TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS  
FILE REFERENCE: 00-144-US  
CURRENT APPLICATION NUMBER: US/09/580,893D  
CURRENT FILING DATE: 2002-10-08  
NUMBER OF SEQ ID NOS: 75  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 44  
LENGTH: 6  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: Peptide  
FEATURE:  
NAME/KEY: MOD\_RES  
LOCATION: (1)\_RES  
OTHER INFORMATION: ACETYLATION  
US-09-580-893D-44

Query Match 100.0%; Score 30; DB 5; Length 6;  
Best Local Similarity 100.0%; Pred. No. 6e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 GAVVPO 6  
Db 1 GAVVPO 6

RESULT 5  
US-09-580-893D-46  
Sequence 46, Application US/09580893D  
GENERAL INFORMATION:  
APPLICANT: SANDBERG, LAWRENCE B  
APPLICANT: MITTS, THOMAS F  
APPLICANT: JIMENEZ JR, FELIPE  
TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS  
FILE REFERENCE: 00-144-US  
CURRENT APPLICATION NUMBER: US/09/580,893D  
CURRENT FILING DATE: 2002-10-08  
NUMBER OF SEQ ID NOS: 75  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 46  
LENGTH: 6  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: Peptide  
US-09-580-893D-46

Query Match 100.0%; Score 30; DB 5; Length 6;  
Best Local Similarity 100.0%; Pred. No. 6e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 GAVVPO 6  
Db 1 GAVVPO 6

RESULT 6  
US-09-580-893D-48  
Sequence 48, Application US/09580893D  
GENERAL INFORMATION:  
APPLICANT: SANDBERG, LAWRENCE B  
APPLICANT: MITTS, THOMAS F  
APPLICANT: JIMENEZ JR, FELIPE  
TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS  
FILE REFERENCE: 00-144-US  
CURRENT APPLICATION NUMBER: US/09/580,893D  
CURRENT FILING DATE: 2002-10-08  
NUMBER OF SEQ ID NOS: 75  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 48  
LENGTH: 6  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: Peptide  
FEATURE:  
NAME/KEY: MOD\_RES  
LOCATION: (6)\_RES  
OTHER INFORMATION: AMIDATION  
US-09-580-893D-48

Query Match 100.0%; Score 30; DB 5; Length 6;  
Best Local Similarity 100.0%; Pred. No. 6e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 GAVVPO 6  
Db 1 GAVVPO 6



RESULT 7  
US-09-580-110E-44  
; Sequence 44, Application US/09580110E  
; GENERAL INFORMATION:  
; APPLICANT: Miltis, Thomas F.  
; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND USES OF SAME IN COMBINATION WITH SKIN  
; FILE REFERENCE: 25812-13  
; CURRENT APPLICATION NUMBER: US/09/580,110E  
; CURRENT FILING DATE: 2000-05-30  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 44  
; LENGTH: 6  
; TYPE: PRT  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: peptide  
; NAME/KEY: MOD\_RES  
; LOCATION: (1)-(1)  
; OTHER INFORMATION: ACETYLATION  
; FEATURE:  
; NAME/KEY: MOD\_RES  
; LOCATION: (6)-(6)  
; OTHER INFORMATION: AMIDATION  
US-09-580-110E-44

Query Match 100.0%; Score 30; DB 5; Length 6;  
Best Local Similarity 100.0%; Pred. No. 6e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAVVPQ 6  
Db 1 GAVVPQ 6

RESULT 8  
US-09-580-110E-46  
; Sequence 46, Application US/09580110E  
; GENERAL INFORMATION:  
; APPLICANT: Miltis, Thomas F.  
; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND USES OF SAME IN COMBINATION WITH SKIN  
; FILE REFERENCE: 25812-13  
; CURRENT APPLICATION NUMBER: US/09/580,110E  
; CURRENT FILING DATE: 2000-05-30  
; NUMBER OF SEQ ID NOS: 75  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 46  
; LENGTH: 6  
; TYPE: PRT  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: peptide  
US-09-580-110E-46

Query Match 100.0%; Score 30; DB 5; Length 6;  
Best Local Similarity 100.0%; Pred. No. 6e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAVVPQ 6  
Db 1 GAVVPQ 6

RESULT 9  
US-09-580-110E-48  
; Sequence 48, Application US/09580110E  
; GENERAL INFORMATION:

; APPLICANT: Miltis, Thomas F.  
; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND USES OF SAME IN COMBINATION WITH SKIN  
; FILE REFERENCE: 25812-13  
; CURRENT APPLICATION NUMBER: US/09/580,110E  
; CURRENT FILING DATE: 2000-05-30  
; NUMBER OF SEQ ID NOS: 75  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 48  
; LENGTH: 6  
; TYPE: PRT  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: peptide  
; NAME/KEY: MOD\_RES  
; LOCATION: (6)-(6)  
; OTHER INFORMATION: AMIDATION  
US-09-580-110E-48

Query Match 100.0%; Score 30; DB 5; Length 6;  
Best Local Similarity 100.0%; Pred. No. 6e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAVVPQ 6  
Db 1 GAVVPQ 6

RESULT 10  
US-09-580-156D-44  
; Sequence 44, Application US/09580156D  
; GENERAL INFORMATION:  
; APPLICANT: Lawrence, Sandberg B.  
; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND USES THEREOF  
; FILE REFERENCE: 25812-5CIP  
; CURRENT APPLICATION NUMBER: US/09/580,156D  
; CURRENT FILING DATE: 2000-05-30  
; PRIOR APPLICATION NUMBER: 09/039,308  
; PRIOR FILING DATE: 1998-03-13  
; PRIOR APPLICATION NUMBER: PCT/US99/05496  
; PRIOR FILING DATE: 1999-03-12  
; NUMBER OF SEQ ID NOS: 54  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 44  
; LENGTH: 6  
; TYPE: PRT  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: peptide  
; NAME/KEY: MOD\_RES  
; LOCATION: (1)-(1)  
; OTHER INFORMATION: ACETYLATION  
US-09-580-156D-44

Query Match 100.0%; Score 30; DB 5; Length 6;  
Best Local Similarity 100.0%; Pred. No. 6e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAVVPQ 6  
Db 1 GAVVPQ 6

RESULT 11  
US-09-580-156D-46  
; Sequence 46, Application US/09580156D  
; GENERAL INFORMATION:  
; APPLICANT: Lawrence, Sandberg B.  
; APPLICANT: Thomas, Miltis F.

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; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND USES THEREOF
; FILE REFERENCE: 25812-5CIP
; CURRENT APPLICATION NUMBER: US/09/580,156D
; CURRENT FILING DATE: 2000-05-30
; PRIOR APPLICATION NUMBER: 09/039,308
; PRIOR FILING DATE: 1998-03-13
; PRIOR APPLICATION NUMBER: PCT/US99/05496
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 46
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: peptide
US-09-580-156D-46

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Query Match          100.0%; Score 30; DB 5; Length 6;
Best Local Similarity 100.0%; Pred. No. 6e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 GAVVPO 6
DB 1 GAVVPO 6

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RESULT 12
US-09-580-156D-48
; Sequence 48, Application US/09580156D
; GENERAL INFORMATION:
; APPLICANT: Lawrence, Sandberg B.
; APPLICANT: Thomas, Miltz F.
; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND USES THEREOF
; FILE REFERENCE: 25812-5CIP
; CURRENT APPLICATION NUMBER: US/09/580,156D
; CURRENT FILING DATE: 2000-05-30
; PRIOR APPLICATION NUMBER: 09/039,308
; PRIOR FILING DATE: 1998-03-13
; PRIOR APPLICATION NUMBER: PCT/US99/05496
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 48
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: peptide
; NAME/KEY: MOD RES
; LOCATION: (6)..(6)
; OTHER INFORMATION: AMIDATION
US-09-580-156D-48

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Query Match          100.0%; Score 30; DB 5; Length 6;
Best Local Similarity 100.0%; Pred. No. 6e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 GAVVPO 6
DB 1 GAVVPO 6

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RESULT 13
US-09-580-893C-51
; Sequence 51, Application US/09580893C
; GENERAL INFORMATION:
; APPLICANT: Sandberg, Lawrence B
; APPLICANT: MITS, THOMAS F
; APPLICANT: JIMENEZ JR, FELIPE
; TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS
; FILE REFERENCE: 00-144-US

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; CURRENT APPLICATION NUMBER: US/09/580,893C
; CURRENT FILING DATE: 2002-10-08
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 51
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Peptide
; NAME/KEY: DISULFID
; LOCATION: (1)..(8)
; OTHER INFORMATION: TERMINAL CYSTEINES FORM DISULFIDE BOND
US-09-580-893C-51

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Query Match          100.0%; Score 30; DB 5; Length 8;
Best Local Similarity 100.0%; Pred. No. 6e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 GAVVPO 6
DB 2 GAVVPO 7

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RESULT 14
US-09-580-893C-54
; Sequence 54, Application US/09580893C
; GENERAL INFORMATION:
; APPLICANT: Sandberg, Lawrence B
; APPLICANT: MITS, THOMAS F
; APPLICANT: JIMENEZ JR, FELIPE
; TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS
; FILE REFERENCE: 00-144-US
; CURRENT APPLICATION NUMBER: US/09/580,893C
; CURRENT FILING DATE: 2002-10-08
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 54
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: peptide
; NAME/KEY: METAL
; LOCATION: (1)..(8)
; OTHER INFORMATION: METAL IS COPPER; BINDING TO LOCATIONS 1 AND 8
US-09-580-893C-54

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Query Match          100.0%; Score 30; DB 5; Length 8;
Best Local Similarity 100.0%; Pred. No. 6e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 GAVVPO 6
DB 2 GAVVPO 7

```

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RESULT 15
US-09-580-893D-51
; Sequence 51, Application US/09580893D
; GENERAL INFORMATION:
; APPLICANT: Sandberg, Lawrence B
; APPLICANT: MITS, THOMAS F
; APPLICANT: JIMENEZ JR, FELIPE
; TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS
; FILE REFERENCE: 00-144-US
; CURRENT APPLICATION NUMBER: US/09/580,893D
; CURRENT FILING DATE: 2002-10-08
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 51

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; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Peptide
; NAME/KEY: DISULFID
; LOCATION: (1)..(8)
; OTHER INFORMATION: TERMINAL CYSTEINES FORM DISULFIDE BOND
US-09-580-893D-51

```

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Query Match      100.0%; Score 30; DB 5; Length 8;
Best Local Similarity 100.0%; Pred. No. 6e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 GAVVPO 6
Db 2 GAVVPO 7

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Job time : 25 secs

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GenCore version 5.1.4 p5 4578  
Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using sw model

Run on: April 16, 2003, 09:32:41 / Search time 141.391 Seconds  
(Without alignments)  
27.360 Million cell updates/sec

Title: US-09-580-156D-46

Perfect score: 30

Sequence: 1 GAVVPQ 6

Scoring table: BLOSUM62  
Gapop 10.0, Gapext 0.5

Searched: 4569144 seqs, 644733110 residues

Total number of hits satisfying chosen parameters: 4569144

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Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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2	30	100.0	6	19	US-09-584-001-46
3	30	100.0	6	19	US-09-584-001-48
4	30	100.0	6	19	US-09-584-001C-44
5	30	100.0	6	19	US-09-584-001C-46
6	30	100.0	6	19	US-09-584-001C-48

7	30	100.0	8	19	US-09-584-001-51	Sequence 51, Appl
8 <td>30</td> <td>100.0</td> <td>8<td>19<td>US-09-584-001-54</td><td>Sequence 54, Appl</td></td></td>	30	100.0	8 <td>19<td>US-09-584-001-54</td><td>Sequence 54, Appl</td></td>	19 <td>US-09-584-001-54</td> <td>Sequence 54, Appl</td>	US-09-584-001-54	Sequence 54, Appl
9 <td>30</td> <td>100.0</td> <td>8<td>19<td>US-09-584-001C-51</td><td>Sequence 51, Appl</td></td></td>	30	100.0	8 <td>19<td>US-09-584-001C-51</td><td>Sequence 51, Appl</td></td>	19 <td>US-09-584-001C-51</td> <td>Sequence 51, Appl</td>	US-09-584-001C-51	Sequence 51, Appl
10 <td>30</td> <td>100.0</td> <td>8<td>19<td>US-09-584-001C-54</td><td>Sequence 54, Appl</td></td></td>	30	100.0	8 <td>19<td>US-09-584-001C-54</td><td>Sequence 54, Appl</td></td>	19 <td>US-09-584-001C-54</td> <td>Sequence 54, Appl</td>	US-09-584-001C-54	Sequence 54, Appl
11 <td>30</td> <td>100.0</td> <td>24</td> <td>21</td> <td>US-09-709-947-18</td> <td>Sequence 18, Appl</td>	30	100.0	24	21	US-09-709-947-18	Sequence 18, Appl
12 <td>30</td> <td>100.0</td> <td>24</td> <td>21</td> <td>US-09-709-947-18</td> <td>Sequence 18, Appl</td>	30	100.0	24	21	US-09-709-947-18	Sequence 18, Appl
13 <td>30</td> <td>100.0</td> <td>233</td> <td>21</td> <td>US-09-708-427-78482</td> <td>Sequence 78482, A</td>	30	100.0	233	21	US-09-708-427-78482	Sequence 78482, A
14 <td>30</td> <td>100.0</td> <td>235</td> <td>21</td> <td>US-09-708-427-53468</td> <td>Sequence 53468, A</td>	30	100.0	235	21	US-09-708-427-53468	Sequence 53468, A
15 <td>30</td> <td>100.0</td> <td>240</td> <td>21</td> <td>US-09-708-427-78481</td> <td>Sequence 78481, A</td>	30	100.0	240	21	US-09-708-427-78481	Sequence 78481, A
16 <td>30</td> <td>100.0</td> <td>242</td> <td>21</td> <td>US-09-708-427-53467</td> <td>Sequence 53467, A</td>	30	100.0	242	21	US-09-708-427-53467	Sequence 53467, A
17 <td>30</td> <td>100.0</td> <td>254</td> <td>21</td> <td>US-09-708-427-78480</td> <td>Sequence 78480, A</td>	30	100.0	254	21	US-09-708-427-78480	Sequence 78480, A
18 <td>30</td> <td>100.0</td> <td>256</td> <td>21</td> <td>US-09-708-427-53466</td> <td>Sequence 53466, A</td>	30	100.0	256	21	US-09-708-427-53466	Sequence 53466, A
19 <td>30</td> <td>100.0</td> <td>297</td> <td>21</td> <td>US-09-791-537-3637</td> <td>Sequence 3637, Ap</td>	30	100.0	297	21	US-09-791-537-3637	Sequence 3637, Ap
20 <td>30</td> <td>100.0</td> <td>473</td> <td>24</td> <td>US-10-015-127-12487</td> <td>Sequence 12487, A</td>	30	100.0	473	24	US-10-015-127-12487	Sequence 12487, A
21 <td>30</td> <td>100.0</td> <td>500</td> <td>21</td> <td>US-09-709-947-22</td> <td>Sequence 22, Appl</td>	30	100.0	500	21	US-09-709-947-22	Sequence 22, Appl
22 <td>30</td> <td>100.0</td> <td>500</td> <td>21</td> <td>US-09-709-947-22</td> <td>Sequence 22, Appl</td>	30	100.0	500	21	US-09-709-947-22	Sequence 22, Appl
23 <td>30</td> <td>100.0</td> <td>500</td> <td>21</td> <td>US-09-791-537-42641</td> <td>Sequence 42641, A</td>	30	100.0	500	21	US-09-791-537-42641	Sequence 42641, A
24 <td>30</td> <td>100.0</td> <td>515</td> <td>21</td> <td>US-09-743-818-71</td> <td>Sequence 71, Appl</td>	30	100.0	515	21	US-09-743-818-71	Sequence 71, Appl
25 <td>30</td> <td>100.0</td> <td>549</td> <td>21</td> <td>US-09-760-469-1054</td> <td>Sequence 1054, Ap</td>	30	100.0	549	21	US-09-760-469-1054	Sequence 1054, Ap
26 <td>30</td> <td>100.0</td> <td>549</td> <td>26</td> <td>US-10-216-583-1054</td> <td>Sequence 1054, Ap</td>	30	100.0	549	26	US-10-216-583-1054	Sequence 1054, Ap
27 <td>30</td> <td>100.0</td> <td>571</td> <td>21</td> <td>US-09-743-818-7</td> <td>Sequence 7, Appl</td>	30	100.0	571	21	US-09-743-818-7	Sequence 7, Appl
28 <td>30</td> <td>100.0</td> <td>577</td> <td>1</td> <td>PCT-US02-17382-189</td> <td>Sequence 189, App</td>	30	100.0	577	1	PCT-US02-17382-189	Sequence 189, App
29 <td>30</td> <td>100.0</td> <td>577</td> <td>19</td> <td>US-09-538-092-1061</td> <td>Sequence 1061, Ap</td>	30	100.0	577	19	US-09-538-092-1061	Sequence 1061, Ap
30 <td>30</td> <td>100.0</td> <td>577</td> <td>21</td> <td>US-09-709-947-23</td> <td>Sequence 23, Appl</td>	30	100.0	577	21	US-09-709-947-23	Sequence 23, Appl
31 <td>30</td> <td>100.0</td> <td>577</td> <td>21</td> <td>US-09-709-947-23</td> <td>Sequence 23, Appl</td>	30	100.0	577	21	US-09-709-947-23	Sequence 23, Appl
32 <td>30</td> <td>100.0</td> <td>617</td> <td>21</td> <td>US-09-791-537-86072</td> <td>Sequence 86072, A</td>	30	100.0	617	21	US-09-791-537-86072	Sequence 86072, A
33 <td>30</td> <td>100.0</td> <td>617</td> <td>25</td> <td>US-10-104-047-2915</td> <td>Sequence 2915, Ap</td>	30	100.0	617	25	US-10-104-047-2915	Sequence 2915, Ap
34 <td>30</td> <td>100.0</td> <td>660</td> <td>18</td> <td>US-09-463-091-5</td> <td>Sequence 5, Appl</td>	30	100.0	660	18	US-09-463-091-5	Sequence 5, Appl
35 <td>30</td> <td>100.0</td> <td>660</td> <td>21</td> <td>US-09-743-818-6</td> <td>Sequence 6, Appl</td>	30	100.0	660	21	US-09-743-818-6	Sequence 6, Appl
36 <td>30</td> <td>100.0</td> <td>663</td> <td>25</td> <td>US-10-108-260A-2477</td> <td>Sequence 2477, Ap</td>	30	100.0	663	25	US-10-108-260A-2477	Sequence 2477, Ap
37 <td>30</td> <td>100.0</td> <td>698</td> <td>18</td> <td>US-09-463-091-3</td> <td>Sequence 3, Appl</td>	30	100.0	698	18	US-09-463-091-3	Sequence 3, Appl
38 <td>30</td> <td>100.0</td> <td>698</td> <td>21</td> <td>US-09-743-818-5</td> <td>Sequence 5, Appl</td>	30	100.0	698	21	US-09-743-818-5	Sequence 5, Appl
39 <td>30</td> <td>100.0</td> <td>700</td> <td>12</td> <td>US-08-827-355-4150</td> <td>Sequence 4150, Ap</td>	30	100.0	700	12	US-08-827-355-4150	Sequence 4150, Ap
40 <td>30</td> <td>100.0</td> <td>700</td> <td>20</td> <td>US-09-611-528-5810</td> <td>Sequence 5810, Ap</td>	30	100.0	700	20	US-09-611-528-5810	Sequence 5810, Ap
41 <td>30</td> <td>100.0</td> <td>712</td> <td>19</td> <td>US-09-554-996-3</td> <td>Sequence 3, Appl</td>	30	100.0	712	19	US-09-554-996-3	Sequence 3, Appl
42 <td>30</td> <td>100.0</td> <td>712</td> <td>19</td> <td>US-09-554-996-3</td> <td>Sequence 3, Appl</td>	30	100.0	712	19	US-09-554-996-3	Sequence 3, Appl
43 <td>30</td> <td>100.0</td> <td>730</td> <td>23</td> <td>US-09-961-407-8</td> <td>Sequence 8, Appl</td>	30	100.0	730	23	US-09-961-407-8	Sequence 8, Appl
44 <td>30</td> <td>100.0</td> <td>731</td> <td>17</td> <td>US-09-340-736-1</td> <td>Sequence 1, Appl</td>	30	100.0	731	17	US-09-340-736-1	Sequence 1, Appl
45 <td>30</td> <td>100.0</td> <td>731</td> <td>17</td> <td>US-09-340-736A-1</td> <td>Sequence 1, Appl</td>	30	100.0	731	17	US-09-340-736A-1	Sequence 1, Appl

#### ALIGNMENTS

RESULT 1  
US-09-584-001-44  
Sequence 44, Application US/09584001  
GENERAL INFORMATION:  
APPLICANT: SANDBERG, LAWRENCE  
APPLICANT: MITTS, THOMAS F.  
TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND METHODS OF USING SAME  
FILE REFERENCE: 99494US  
CURRENT APPLICATION NUMBER: US/09/584,001  
CURRENT FILING DATE: 2000-05-30  
EARLIER APPLICATION NUMBER: 09/039,308  
EARLIER FILING DATE: 1998-03-13  
EARLIER APPLICATION NUMBER: PCT/US99/05496  
EARLIER FILING DATE: 1999-03-12  
NUMBER OF SEQ ID NOS: 75  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 44  
LENGTH: 6  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: peptide  
NAME/KEY: MOD\_RES  
LOCATION: (1)\_RES  
OTHER INFORMATION: ACETYLATION  
US-09-584-001-44  
Query Match 100.0%; Score 30; DB 19; Length 6;

Best Local Similarity 100.0%; Pred. No. 4.2e+06; Indels 0; Gaps 0;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 GAVVPO 6  
 Db 1 GAVVPO 6

RESULT 2  
 US-09-584-001-46  
 ; Sequence 46, Application US/09584001  
 ; GENERAL INFORMATION:  
 ; APPLICANT: SANDBERG, LAWRENCE  
 ; APPLICANT: MITTS, THOMAS F.  
 ; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND METHODS OF USING SAME  
 ; FILE REFERENCE: 99494US  
 ; CURRENT APPLICATION NUMBER: US/09/584,001  
 ; CURRENT FILING DATE: 2000-05-30  
 ; EARLIER APPLICATION NUMBER: 09/039,308  
 ; EARLIER FILING DATE: 1998-03-13  
 ; EARLIER APPLICATION NUMBER: PCT/US99/05496  
 ; EARLIER FILING DATE: 1999-03-12  
 ; NUMBER OF SEQ ID NOS: 75  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 46.  
 ; LENGTH: 6  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Description of Artificial Sequence: peptide  
 US-09-584-001-46

Query Match 100.0%; Score 30; DB 19; Length 6;  
 Best Local Similarity 100.0%; Pred. No. 4.2e+06;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 GAVVPO 6  
 Db 1 GAVVPO 6

RESULT 3  
 US-09-584-001-48  
 ; Sequence 48, Application US/09584001  
 ; GENERAL INFORMATION:  
 ; APPLICANT: SANDBERG, LAWRENCE  
 ; APPLICANT: MITTS, THOMAS F.  
 ; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND METHODS OF USING SAME  
 ; FILE REFERENCE: 99494US  
 ; CURRENT APPLICATION NUMBER: US/09/584,001  
 ; CURRENT FILING DATE: 2000-05-30  
 ; EARLIER APPLICATION NUMBER: 09/039,308  
 ; EARLIER FILING DATE: 1998-03-13  
 ; EARLIER APPLICATION NUMBER: PCT/US99/05496  
 ; EARLIER FILING DATE: 1999-03-12  
 ; NUMBER OF SEQ ID NOS: 75  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 48  
 ; LENGTH: 6  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; NAME/KEY: MOD\_RES  
 ; LOCATION: (6)  
 ; OTHER INFORMATION: AMIDATION  
 ; FEATURE:  
 ; OTHER INFORMATION: Description of Artificial Sequence: peptide  
 US-09-584-001-48

Query Match 100.0%; Score 30; DB 19; Length 6;  
 Best Local Similarity 100.0%; Pred. No. 4.2e+06;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAVVPO 6  
 Db 1 GAVVPO 6

RESULT 4  
 US-09-584-001C-44  
 ; Sequence 44, Application US/09584001C  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Mitts, Thomas F.  
 ; APPLICANT: Sandberg, Lawrence B.  
 ; TITLE OF INVENTION: Elastin Peptide Analogs and Methods of Using Same  
 ; FILE REFERENCE: 25812-11  
 ; CURRENT APPLICATION NUMBER: US/09/584,001C  
 ; CURRENT FILING DATE: 2002-04-30  
 ; NUMBER OF SEQ ID NOS: 75  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 44  
 ; LENGTH: 6  
 ; TYPE: PRT  
 ; ORGANISM: mammalian  
 ; FEATURE:  
 ; NAME/KEY: MOD\_RES  
 ; LOCATION: (1)  
 ; OTHER INFORMATION: ACETYLATION  
 ; FEATURE:  
 ; NAME/KEY: MOD\_RES  
 ; LOCATION: (6)  
 ; OTHER INFORMATION: AMIDATION  
 US-09-584-001C-44

Query Match 100.0%; Score 30; DB 19; Length 6;  
 Best Local Similarity 100.0%; Pred. No. 4.2e+06;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 GAVVPO 6  
 Db 1 GAVVPO 6

RESULT 5  
 US-09-584-001C-46  
 ; Sequence 46, Application US/09584001C  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Mitts, Thomas F.  
 ; APPLICANT: Sandberg, Lawrence B.  
 ; TITLE OF INVENTION: Elastin Peptide Analogs and Methods of Using Same  
 ; FILE REFERENCE: 25812-11  
 ; CURRENT APPLICATION NUMBER: US/09/584,001C  
 ; CURRENT FILING DATE: 2002-04-30  
 ; NUMBER OF SEQ ID NOS: 75  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 46  
 ; LENGTH: 6  
 ; TYPE: PRT  
 ; ORGANISM: mammalian  
 US-09-584-001C-46

Query Match 100.0%; Score 30; DB 19; Length 6;  
 Best Local Similarity 100.0%; Pred. No. 4.2e+06;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 GAVVPO 6  
 Db 1 GAVVPO 6

RESULT 6  
 US-09-584-001C-48  
 ; Sequence 48, Application US/09584001C  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Mitts, Thomas F.  
 ; APPLICANT: Sandberg, Lawrence B.

;; TITLE OF INVENTION: Elastin Peptide Analogs and Methods of Using Same  
;; FILE REFERENCE: 25812-11  
;; CURRENT APPLICATION NUMBER: US/09/584,001C  
;; CURRENT FILING DATE: 2002-04-30  
;; NUMBER OF SEQ ID NOS: 75  
;; SOFTWARE: Patentln Ver. 2.1  
;; SEQ ID NO 48  
;; LENGTH: 6  
;; TYPE: PRT  
;; ORGANISM: mammalian  
;; FEATURE:  
;; NAME/KEY: MOD\_RES  
;; LOCATION: (6)  
;; OTHER INFORMATION: AMIDATION  
US-09-584-001C-48

Query Match 100.0%; Score 30; DB 19; Length 6;  
Best Local Similarity 100.0%; Pred. No. 4.2e+06;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAVVPO 6  
Db 1 GAVVPO 6

RESULT 7  
US-09-584-001-51  
;; Sequence 51, Application US/09584001  
;; GENERAL INFORMATION:  
;; APPLICANT: SANDBERG, LAWRENCE  
;; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND METHODS OF USING SAME  
;; FILE REFERENCE: 99494US  
;; CURRENT APPLICATION NUMBER: US/09/584,001  
;; CURRENT FILING DATE: 2000-05-30  
;; EARLIER APPLICATION NUMBER: 09/039,308  
;; EARLIER FILING DATE: 1998-03-13  
;; EARLIER APPLICATION NUMBER: PCT/US99/05496  
;; EARLIER FILING DATE: 1999-03-12  
;; NUMBER OF SEQ ID NOS: 75  
;; SOFTWARE: Patentln Ver. 2.1  
;; SEQ ID NO 51  
;; LENGTH: 8  
;; TYPE: PRT  
;; ORGANISM: Artificial Sequence  
;; FEATURE:  
;; OTHER INFORMATION: Description of Artificial Sequence: peptide  
;; NAME/KEY: DISULFID  
;; LOCATION: (1)-(8)  
;; OTHER INFORMATION: TERMINAL CYSTEINES FORM DISULFIDE BOND  
US-09-584-001-51

Query Match 100.0%; Score 30; DB 19; Length 8;  
Best Local Similarity 100.0%; Pred. No. 4.2e+06;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAVVPO 6  
Db 2 GAVVPO 7

RESULT 8  
US-09-584-001-54  
;; Sequence 54, Application US/09584001  
;; GENERAL INFORMATION:  
;; APPLICANT: SANDBERG, LAWRENCE  
;; APPLICANT: MITTS, THOMAS F.  
;; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND METHODS OF USING SAME  
;; FILE REFERENCE: 99494US  
;; CURRENT APPLICATION NUMBER: US/09/584,001  
;; CURRENT FILING DATE: 2000-05-30  
;; EARLIER APPLICATION NUMBER: 09/039,308

;; EARLIER FILING DATE: 1998-03-13  
;; EARLIER APPLICATION NUMBER: PCT/US99/05496  
;; EARLIER FILING DATE: 1999-03-12  
;; NUMBER OF SEQ ID NOS: 75  
;; SOFTWARE: Patentln Ver. 2.1  
;; SEQ ID NO 54  
;; LENGTH: 8  
;; TYPE: PRT  
;; ORGANISM: Artificial Sequence  
;; FEATURE:  
;; OTHER INFORMATION: Description of Artificial Sequence: peptide  
;; NAME/KEY: METAL  
;; LOCATION: (1)-(8)  
;; OTHER INFORMATION: METAL IS COPPER; BINDING TO LOCATION 1 AND 8  
US-09-584-001-54

Query Match 100.0%; Score 30; DB 19; Length 8;  
Best Local Similarity 100.0%; Pred. No. 4.2e+06;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAVVPO 6  
Db 2 GAVVPO 7

RESULT 9  
US-09-584-001C-51  
;; Sequence 51, Application US/09584001C  
;; GENERAL INFORMATION:  
;; APPLICANT: Mitts, Thomas F.  
;; TITLE OF INVENTION: Elastin Peptide Analogs and Methods of Using Same  
;; FILE REFERENCE: 25812-11  
;; CURRENT APPLICATION NUMBER: US/09/584,001C  
;; CURRENT FILING DATE: 2002-04-30  
;; NUMBER OF SEQ ID NOS: 75  
;; SOFTWARE: Patentln Ver. 2.1  
;; SEQ ID NO 51  
;; LENGTH: 8  
;; TYPE: PRT  
;; ORGANISM: mammalian  
US-09-584-001C-51

Query Match 100.0%; Score 30; DB 19; Length 8;  
Best Local Similarity 100.0%; Pred. No. 4.2e+06;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAVVPO 6  
Db 2 GAVVPO 7

RESULT 10  
US-09-584-001C-54  
;; Sequence 54, Application US/09584001C  
;; GENERAL INFORMATION:  
;; APPLICANT: Mitts, Thomas F.  
;; APPLICANT: Sandberg, Lawrence B.  
;; TITLE OF INVENTION: Elastin Peptide Analogs and Methods of Using Same  
;; FILE REFERENCE: 25812-11  
;; CURRENT APPLICATION NUMBER: US/09/584,001C  
;; CURRENT FILING DATE: 2002-04-30  
;; NUMBER OF SEQ ID NOS: 75  
;; SOFTWARE: Patentln Ver. 2.1  
;; SEQ ID NO 54  
;; LENGTH: 8  
;; TYPE: PRT  
;; ORGANISM: mammalian  
US-09-584-001C-54

Query Match 100.0%; Score 30; DB 19; Length 8;  
Best Local Similarity 100.0%; Pred. No. 4.2e+06;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 GAVVPO 6  
|||  
Db 2 GAVVPO 7

## RESULT 11

US-09-709-947-18  
; Sequence 18, Application US/09709947  
; GENERAL INFORMATION:  
; APPLICANT: Watkins, Brynmor  
; TITLE OF INVENTION: Materials and Methods for Detection and Treatment of  
; FILE REFERENCE: MTP-024  
; CURRENT APPLICATION NUMBER: US/09/709,947  
; PRIOR FILING DATE: 2000-11-10  
; PRIOR APPLICATION NUMBER: US 60/165,173  
; PRIOR FILING DATE: 1999-11-16  
; PRIOR APPLICATION NUMBER: US 60/172,170  
; PRIOR FILING DATE: 1999-12-17  
; PRIOR APPLICATION NUMBER: US 60/178,860  
; PRIOR FILING DATE: 2000-01-27  
; PRIOR APPLICATION NUMBER: US 60/201,721  
; NUMBER OF SEQ ID NOS: 23  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 18  
; LENGTH: 24  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; OTHER INFORMATION: Description of Artificial Sequence:tryptic peptide  
US-09-709-947-18

Query Match 100.0%; Score 30; DB 21; Length 24;  
Best Local Similarity 100.0%; Pred. No. 28;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAVVPO 6  
|||  
Db 16 GAVVPO 21

## RESULT 12

US-09-709-954-18  
; Sequence 18, Application US/09709954  
; GENERAL INFORMATION:  
; APPLICANT: Watkins, Brynmor  
; TITLE OF INVENTION: Methods and Compositions for Identifying Disease  
; FILE REFERENCE: MTP-026  
; CURRENT APPLICATION NUMBER: US/09/709,954  
; PRIOR FILING DATE: 2000-11-10  
; PRIOR APPLICATION NUMBER: US 60/165,173  
; PRIOR FILING DATE: 1999-11-16  
; PRIOR APPLICATION NUMBER: US 60/172,170  
; PRIOR FILING DATE: 1999-12-17  
; PRIOR APPLICATION NUMBER: US 60/178,860  
; PRIOR FILING DATE: 2000-01-27  
; PRIOR APPLICATION NUMBER: US 60/201,721  
; NUMBER OF SEQ ID NOS: 23  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 18  
; LENGTH: 24  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; OTHER INFORMATION: Description of Artificial Sequence:tryptic peptide  
US-09-709-954-18

Query Match 100.0%; Score 30; DB 21; Length 24;

Best Local Similarity 100.0%; Pred. No. 28;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 GAVVPO 6  
|||  
Db 16 GAVVPO 21

## RESULT 13

US-09-708-427-78482  
; Sequence 78482, Application US/09708427  
; GENERAL INFORMATION:  
; APPLICANT: N. ALEXANDROV et al.  
; TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES  
; FILE REFERENCE: 2750-1243P  
; CURRENT APPLICATION NUMBER: US/09/708,427  
; PRIOR FILING DATE: 2000-11-09  
; NUMBER OF SEQ ID NOS: 85364  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 78482  
; LENGTH: 233  
; TYPE: PRT  
; ORGANISM: Zea mays subsp. mays  
; NAME/KEY: misc feature  
; LOCATION: 1..233  
; OTHER INFORMATION: Xaa is any amino acid  
; NAME/KEY: misc feature  
; LOCATION: 1..233  
; OTHER INFORMATION: Ceres Seq. ID 1962954  
US-09-708-427-78482

Query Match 100.0%; Score 30; DB 21; Length 233;  
Best Local Similarity 100.0%; Pred. No. 3,9e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAVVPO 6  
|||  
Db 85 GAVVPO 90

## RESULT 14

US-09-708-427-53468  
; Sequence 53468, Application US/09708427  
; GENERAL INFORMATION:  
; APPLICANT: N. ALEXANDROV et al.  
; TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES  
; FILE REFERENCE: 2750-1243P  
; CURRENT APPLICATION NUMBER: US/09/708,427  
; PRIOR FILING DATE: 2000-11-09  
; NUMBER OF SEQ ID NOS: 85364  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 53468  
; LENGTH: 235  
; TYPE: PRT  
; ORGANISM: Zea mays subsp. mays  
; NAME/KEY: misc feature  
; LOCATION: 1..235  
; OTHER INFORMATION: Xaa is any amino acid  
; NAME/KEY: misc feature  
; LOCATION: 1..235  
; OTHER INFORMATION: Ceres Seq. ID 1931311  
US-09-708-427-53468

Query Match 100.0%; Score 30; DB 21; Length 235;  
Best Local Similarity 100.0%; Pred. No. 3,9e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAVVPO 6  
|||



Db 85 GAVVPQ 90

RESULT 15

US-09-708-427-78481  
 ; Sequence 78481, Application US/09708427  
 ; GENERAL INFORMATION:  
 ; APPLICANT: N. ALEXANDROV et al.  
 ; TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES  
 ; TITLE OF INVENTION: THEREBY  
 ; FILE REFERENCE: 2750-1243P  
 ; CURRENT APPLICATION NUMBER: US/09/708,427  
 ; CURRENT FILING DATE: 2000-11-09  
 ; NUMBER OF SEQ ID NOS: 85364  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO 78481  
 ; LENGTH: 240  
 ; TYPE: PRT  
 ; ORGANISM: Zea mays subsp. mays  
 ; FEATURE:  
 ; NAME/KEY: misc feature  
 ; LOCATION: 1..240  
 ; OTHER INFORMATION: Xaa is any amino acid  
 ; NAME/KEY: misc feature  
 ; LOCATION: 1..240  
 ; OTHER INFORMATION: Ceres Seq. ID 1962953  
 ; US-09-708-427-78481

Query Match 100.0%; Score 30; DB 21; Length 240;

Best Local Similarity 100.0%; Pred. No. 4e+02; Mismatches 0; Indels 0; Gaps 0;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAVVPQ 6  
 |||||  
 Db 92 GAVVPQ 97

Search completed: April 16, 2003, 09:49:12  
 Job time : 143.391 secs

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GenCore version 5.1.4.p5.4578  
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OM protein - protein search, using sw model

Run on: April 16, 2003, 09:38:56 ; Search time 12 Seconds  
(without alignments)  
37.807 Million cell updates/sec

Title: US-09-580-156d-46

Perfect score: 30

Sequence: 1 GAVVPQ 6

Scoring table: BLOSUM62

Searched: 288829 seqs, 7561385 residues

Total number of hits satisfying chosen parameters: 288829

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Database :

Listing first 45 summaries

Published Applications AA:\*

- 1: /cgn2\_6/prodata/1/pubppaa/US08\_NEW\_PUB\_PEP.\*
- 2: /cgn2\_6/prodata/1/pubppaa/PCr\_NEW\_PUB\_PEP.\*
- 3: /cgn2\_6/prodata/1/pubppaa/US06\_NEW\_PUB\_PEP.\*
- 4: /cgn2\_6/prodata/1/pubppaa/US07\_NEW\_PUB\_PEP.\*
- 5: /cgn2\_6/prodata/1/pubppaa/US07\_PUBCOMB\_PEP.\*
- 6: /cgn2\_6/prodata/1/pubppaa/PCrUS\_PUBCOMB\_PEP.\*
- 7: /cgn2\_6/prodata/1/pubppaa/US08\_PUBCOMB\_PEP.\*
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- 9: /cgn2\_6/prodata/1/pubppaa/US09\_PUBCOMB\_PEP.\*
- 10: /cgn2\_6/prodata/1/pubppaa/US10\_NEW\_PUB\_PEP.\*
- 11: /cgn2\_6/prodata/1/pubppaa/US10\_PUBCOMB\_PEP.\*
- 12: /cgn2\_6/prodata/1/pubppaa/US60\_PUBCOMB\_PEP.\*
- 13: /cgn2\_6/prodata/1/pubppaa/US60\_PUBCOMB\_PEP.\*
- 14: /cgn2\_6/prodata/1/pubppaa/US60\_PUBCOMB\_PEP.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	30	100.0	2076	10 US-09-815-242-5815	Sequence 5815, Ap
2	30	100.0	2186	10 US-09-815-242-12913	Sequence 12913, A
3	29	96.7	491	10 US-09-997-900-2	Sequence 2, Appl1
4	28	93.3	1066	9 US-09-423-126-3	Sequence 3, Appl1
5	28	93.3	1066	10 US-09-280-197-5	Sequence 5, Appl1
6	28	93.3	1070	9 US-09-423-126-4	Sequence 4, Appl1
7	28	93.3	1070	10 US-09-280-197-6	Sequence 6, Appl1
8	27	90.0	343	10 US-09-864-761-43664	Sequence 43664, A
9	26	86.7	307	9 US-10-224-413-5	Sequence 5, Appl1
10	26	86.7	360	9 US-10-224-413-4	Sequence 4, Appl1
11	26	86.7	527	9 US-09-712-363-156	Sequence 156, App
12	26	86.7	651	9 US-10-186-399-2	Sequence 2, Appl1
13	26	86.7	661	9 US-10-160-865-14	Sequence 10, Appl1
14	26	86.7	745	9 US-09-844-988-10	Sequence 10, Appl1
15	26	86.7	745	10 US-09-796-872-2	Sequence 2, Appl1
16	26	86.7	745	10 US-09-844-908-10	Sequence 10, Appl1
17	26	86.7	793	9 US-09-990-046-16	Sequence 16, Appl1
18	26	86.7	793	9 US-09-990-046-17	Sequence 17, Appl1
19	26	86.7	803	9 US-09-990-046-15	Sequence 15, Appl1

20	26	86.7	818	10 US-09-833-790-366	Sequence 366, App
21	25	86.7	1261	9 US-10-175-158-2	Sequence 2, Appl1
22	25	83.3	32	10 US-09-864-761-38673	Sequence 38673, A
23	25	83.3	38	10 US-09-864-761-34467	Sequence 34467, A
24	25	83.3	57	9 US-09-983-802-275	Sequence 275, App
25	25	83.3	72	9 US-09-925-299-1019	Sequence 1019, Ap
26	25	83.3	72	10 US-09-925-299-1019	Sequence 1019, Ap
27	25	83.3	234	10 US-10-078-770-32	Sequence 32, Appl1
28	25	83.3	229	10 US-09-815-242-5146	Sequence 5146, Ap
29	25	83.3	260	9 US-10-005-306-1	Sequence 1, Appl1
30	25	83.3	260	9 US-10-005-306-2	Sequence 2, Appl1
31	25	83.3	260	9 US-10-005-306-3	Sequence 3, Appl1
32	25	83.3	260	9 US-10-005-306-4	Sequence 4, Appl1
33	25	83.3	260	9 US-10-005-306-5	Sequence 5, Appl1
34	25	83.3	260	9 US-10-005-306-6	Sequence 6, Appl1
35	25	83.3	260	9 US-10-005-306-7	Sequence 7, Appl1
36	25	83.3	260	9 US-10-005-306-8	Sequence 8, Appl1
37	25	83.3	260	9 US-10-005-306-9	Sequence 9, Appl1
38	25	83.3	260	9 US-10-005-306-10	Sequence 10, Appl1
39	25	83.3	260	9 US-10-005-306-11	Sequence 11, Appl1
40	25	83.3	260	9 US-10-005-306-12	Sequence 12, Appl1
41	25	83.3	260	9 US-10-005-306-13	Sequence 13, Appl1
42	25	83.3	260	9 US-10-005-306-14	Sequence 14, Appl1
43	25	83.3	260	9 US-10-005-306-15	Sequence 15, Appl1
44	25	83.3	260	9 US-10-005-306-16	Sequence 16, Appl1
45	25	83.3	260	9 US-10-005-306-17	Sequence 17, Appl1

#### ALIGNMENTS

RESULT 1

US-09-815-242-5815

Sequence 5815, Application US/09815242

Patent No. US200200615699A1

GENERAL INFORMATION:

APPLICANT: Haselbeck, Robert

APPLICANT: Ohlsen, Karl L.

APPLICANT: Zyckind, Judith W.

APPLICANT: Wall, Daniel

APPLICANT: Trawick, John D.

APPLICANT: Carr, Grant J.

APPLICANT: Yamamoto, Robert T.

APPLICANT: Xu, H. Howard

TITLE OF INVENTION: Identification of Essential Genes in

FILE REFERENCE: ELITRA.011A

CURRENT APPLICATION NUMBER: US/09/815,242

CURRENT FILING DATE: 2001-03-21

PRIOR APPLICATION NUMBER: 60/191,078

PRIOR FILING DATE: 2000-03-21

PRIOR APPLICATION NUMBER: 60/206,848

PRIOR FILING DATE: 2000-05-23

PRIOR APPLICATION NUMBER: 60/207,727

PRIOR FILING DATE: 2000-05-26

PRIOR APPLICATION NUMBER: 60/242,578

PRIOR FILING DATE: 2000-10-23

PRIOR APPLICATION NUMBER: 60/253,625

PRIOR FILING DATE: 2000-11-27

PRIOR APPLICATION NUMBER: 60/257,931

PRIOR FILING DATE: 2000-12-22

PRIOR APPLICATION NUMBER: 60/269,308

PRIOR FILING DATE: 2001-02-16

NUMBER OF SEQ ID NOS: 14110

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 5815

LENGTH: 2076

TYPE: PRT

ORGANISM: Staphylococcus aureus

US-09-815-242-5815

Query Match 100.0%; Score 30; DB 10; Length 2076;

Best Local Similarity 100.0%; Pred. No. 2.7e+02;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAVPQ 6  
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Db 803 GAVPQ 808

## RESULT 2

US-09-815-242-12913  
; Sequence 12913, Application US/09815242  
; Patent No. US20020061569A1  
; GENERAL INFORMATION:  
; APPLICANT: Haseibeck, Robert  
; APPLICANT: Ohlsen, Karl L.  
; APPLICANT: Zykkind, Judith W.  
; APPLICANT: Wall, Daniel  
; APPLICANT: Trawick, John D.  
; APPLICANT: Carr, Grant J.  
; APPLICANT: Yamamoto, Robert T.  
; APPLICANT: Xu, H. Howard  
; TITLE OF INVENTION: Identification of Essential Genes in  
; FILE OF INVENTION: Prokaryotes  
; FILE REFERENCE: ELITRA.011A  
; CURRENT APPLICATION NUMBER: US/09/815,242  
; PRIOR FILING DATE: 2001-03-21  
; PRIOR APPLICATION NUMBER: 60/191,078  
; PRIOR FILING DATE: 2000-03-21  
; PRIOR APPLICATION NUMBER: 60/206,848  
; PRIOR FILING DATE: 2000-05-23  
; PRIOR APPLICATION NUMBER: 60/207,727  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: 60/242,578  
; PRIOR FILING DATE: 2000-10-23  
; PRIOR APPLICATION NUMBER: 60/253,625  
; PRIOR FILING DATE: 2000-11-27  
; PRIOR APPLICATION NUMBER: 60/257,931  
; PRIOR FILING DATE: 2000-12-22  
; PRIOR APPLICATION NUMBER: 60/269,308  
; PRIOR FILING DATE: 2001-02-16  
; NUMBER OF SEQ ID NOS: 14110  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 12913  
; LENGTH: 2186  
; TYPE: PRT  
; ORGANISM: Staphylococcus aureus  
US-09-815-242-12913

Query Match 100.0%; Score 30; DB 10; Length 2186;  
Best Local Similarity 100.0%; Pred. No. 2.8e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAVPQ 6  
|||||

Db 803 GAVPQ 808

## RESULT 3

US-09-997-900-2  
; Sequence 2, Application US/09997900  
; Patent No. US20020053098A1  
; GENERAL INFORMATION:  
; APPLICANT: Kakefuda, Genichi  
; APPLICANT: Costello, Colleen  
; APPLICANT: Sun, Ming  
; APPLICANT: Hu, Weiming  
; TITLE OF INVENTION: Genes and Vectors for Conferring Herbicide Resistance  
; FILE REFERENCE: 043753/241148 (5849-20A)  
; CURRENT APPLICATION NUMBER: US/09/997,900  
; PRIOR FILING DATE: 2001-11-30  
; PRIOR APPLICATION NUMBER: 60/106,239  
; PRIOR FILING DATE: 1998-10-29  
; PRIOR APPLICATION NUMBER: 09/426,568

; PRIOR FILING DATE: 1999-10-22  
; NUMBER OF SEQ ID NOS: 11  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 2  
; LENGTH: 491  
; TYPE: PRT  
; ORGANISM: Arabidopsis sp.

US-09-997-900-2

Query Match 96.7%; Score 29; DB 10; Length 491;  
Best Local Similarity 83.3%; Pred. No. 96;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAVPQ 6  
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Db 273 GAVPQ 278

## RESULT 4

US-09-423-126-3  
; Sequence 3, Application US/09423126  
; Patent No. US20020170083A1  
; GENERAL INFORMATION:  
; APPLICANT: Buchter-Larsen, et al.  
; TITLE OF INVENTION: A PROCESS OF PREPARING AN ANTI-OXIDANT  
; FILE REFERENCE: 674509-2020  
; CURRENT APPLICATION NUMBER: US/09/423,126  
; PRIOR FILING DATE: 1999-11-05  
; PRIOR APPLICATION NUMBER: PCT/IB98/00708  
; PRIOR FILING DATE: 1998-05-06  
; PRIOR APPLICATION NUMBER: GB 9709161.5  
; PRIOR FILING DATE: 1997-05-06  
; NUMBER OF SEQ ID NOS: 12  
; SOFTWARE: PatentIn Version 3.0  
; SEQ ID NO 3  
; LENGTH: 1066  
; TYPE: PRT  
; ORGANISM: Unknown  
; FEATURE:  
; OTHER INFORMATION: fungus sp. or fungus infected gracilariopsis sp.  
US-09-423-126-3

Query Match 93.3%; Score 28; DB 9; Length 1066;  
Best Local Similarity 66.7%; Pred. No. 3.7e+02;  
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAVPQ 6  
|||||

Db 880 GAVPQ 885

## RESULT 5

US-09-280-197-5  
; Sequence 5, Application US/09280197  
; Patent No. US20020142403A1  
; GENERAL INFORMATION:  
; APPLICANT: Yu, Shukun  
; APPLICANT: Bojken, Kirsten  
; APPLICANT: Kiragh, Karsten  
; APPLICANT: Bojko, Maja  
; APPLICANT: Nielsen, John  
; APPLICANT: Marcussen, Jan  
; APPLICANT: Christensen, Tove  
; TITLE OF INVENTION: USE OF -1,4-GLUCAN LYASE FOR PREPARATION OF  
; NUMBER OF SEQUENCES: 1,5-D-AMHYDROPRUCTOSE  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Krobbe, Martens, Olsson & Bear  
; STREET: 620 Newport Center Drive 16th Floor  
; CITY: Newport Beach  
; STATE: CA  
; COUNTRY: U.S.A.  
; ZIP: 92660

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/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Diskette
/ COMPUTER: IBM Compatible
/ OPERATING SYSTEM: DOS
/ SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/280,197
/ FILING DATE:
/ CLASSIFICATION: 435
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 08/633,719
/ FILING DATE: July 8, 1996
/ APPLICATION NUMBER: PCT/EP94/03397
/ FILING DATE: OCT-15-1994
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Altman, Daniel E
/ REGISTRATION NUMBER: 34,115
/ REFERENCE/DOCKET NUMBER: DY005.001APC
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 714-760-0404
/ TELEFAX: 714-760-9502
/ TELEX:
/ INFORMATION FOR SEQ ID NO: 5:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 1066 amino acids
/ TYPE: amino acid
/ TOPOLOGY: linear
/ MOLECULE TYPE: protein
/ US-09-280-197-5

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Query Match 93.3%; Score 28; DB 10; Length 1066;
Best Local Similarity 66.7%; Pred. No. 3.7e+02;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

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QY 1 GAVVPO 6
DB 880 GAIIPQ 885

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RESULT 6
US-09-423-126-4
/ Sequence 4, Application US/09423126
/ Patent No. US20020170083A1
/ GENERAL INFORMATION:
/ APPLICANT: Buchter-Larsen, et al.
/ TITLE OF INVENTION: A PROCESS OF PREPARING AN ANTI-OXIDANT
/ FILE REFERENCE: 674509-2020
/ CURRENT APPLICATION NUMBER: US/09/423,126
/ PRIOR FILING DATE: 1999-11-05
/ PRIOR APPLICATION NUMBER: PCT/IB96/00708
/ PRIOR FILING DATE: 1998-05-06
/ PRIOR APPLICATION NUMBER: GB 9709161.5
/ PRIOR FILING DATE: 1997-05-06
/ NUMBER OF SEQ ID NOS: 12
/ SOFTWARE: Patentin version 3.0
/ SEQ ID NO 4
/ LENGTH: 1070
/ TYPE: PRT
/ ORGANISM: Unknown
/ FEATURE:
/ OTHER INFORMATION: fungus sp. or fungus infected gracilariopsis sp.
/ US-09-423-126-4

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Query Match 93.3%; Score 28; DB 9; Length 1070;
Best Local Similarity 66.7%; Pred. No. 3.7e+02;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

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QY 1 GAVVPO 6
DB 879 GAIIPQ 884

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RESULT 7

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US-09-280-197-6
/ Sequence 6, Application US/09280197
/ Patent No. US20020142403A1
/ GENERAL INFORMATION:
/ APPLICANT: Yu, Shukun
/ APPLICANT: Bojken, Kirsten
/ APPLICANT: Kragh, Karsten
/ APPLICANT: Bojko, Maja
/ APPLICANT: Nielsen, John
/ APPLICANT: Marcussen, Jan
/ APPLICANT: Christensen, Tove
/ TITLE OF INVENTION: USE OF '-1,4-GLUCAN LYASE FOR PREPARATION OF
/ TITLE OF INVENTION: 1,5-D-ANHYDROFRUCTOSE
/ NUMBER OF SEQUENCES: 39
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Knobbe, Martens, Olson & Bear
/ STREET: 620 Newport Center Drive 16th Floor
/ CITY: Newport Beach
/ STATE: CA
/ COUNTRY: U.S.A.
/ ZIP: 92660
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Diskette
/ COMPUTER: IBM Compatible
/ OPERATING SYSTEM: DOS
/ SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/280,197
/ FILING DATE:
/ CLASSIFICATION: 435
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 08/633,719
/ FILING DATE: July 8, 1996
/ APPLICATION NUMBER: PCT/EP94/03397
/ FILING DATE: OCT-15-1994
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Altman, Daniel E
/ REGISTRATION NUMBER: 34,115
/ REFERENCE/DOCKET NUMBER: DY005.001APC
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 714-760-0404
/ TELEFAX: 714-760-9502
/ TELEX:
/ INFORMATION FOR SEQ ID NO: 6:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 1070 amino acids
/ TYPE: amino acid
/ TOPOLOGY: linear
/ MOLECULE TYPE: protein
/ US-09-280-197-6

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Query Match 93.3%; Score 28; DB 10; Length 1070;
Best Local Similarity 66.7%; Pred. No. 3.7e+02;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

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QY 1 GAVVPO 6
DB 879 GAIIPQ 884

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RESULT 8
US-09-864-761-43664
/ Sequence 43664, Application US/09864761
/ Patent No. US20020048763A1
/ GENERAL INFORMATION:
/ APPLICANT: Penn, Sharon G.
/ APPLICANT: Rank, David R.
/ APPLICANT: Hanzel, David K.
/ APPLICANT: Chen, Wensheng
/ TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
/ TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
/ FILE REFERENCE: Aeomica-X-1
/ CURRENT APPLICATION NUMBER: US/09/864,761

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; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annonmax Sequence Listing Engine vers. 1.1
; SEQ ID NO 43664
; LENGTH: 343
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC005104.1
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.2
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.88
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.1
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.1
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.1
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.2
; OTHER INFORMATION: EST HUMAN HIT: BE901608.1, EVALUE 8.00e-63
; OTHER INFORMATION: SWISSPROT HIT: Q1103, EVALUE 5.20e-00
US-09-864-761-43664

Query Match      90.0%; Score 27; DB 10; Length 343;
Best Local Similarity 83.3%; Pred. No. 1.8e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAVVPO 6
|:|||||
Db 183 GSIVPO 188

RESULT 9
US-10-224-413-5
; Sequence 5, Application US/10224413
; Publication No. US20030013167A1
; GENERAL INFORMATION:
; APPLICANT: YE, Jane et al.
; TITLE OF INVENTION: ISOLATED HUMAN ENZYME PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN ENZYME PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
```

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; FILE REFERENCE: C1001169
; CURRENT APPLICATION NUMBER: US/10/224,413
; CURRENT FILING DATE: 2002-08-21
; PRIOR APPLICATION NUMBER: 09/810,347
; PRIOR FILING DATE: 2001-03-19
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 307
; TYPE: PRT
; ORGANISM: Human
US-10-224-413-5

Query Match      86.7%; Score 26; DB 9; Length 307;
Best Local Similarity 66.7%; Pred. No. 2.8e+02;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAVVPO 6
|:|||||
Db 299 GSIVPO 304

RESULT 10
US-10-224-413-4
; Sequence 4, Application US/10224413
; Publication No. US20030013167A1
; GENERAL INFORMATION:
; APPLICANT: YE, Jane et al.
; TITLE OF INVENTION: ISOLATED HUMAN ENZYME PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN ENZYME PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: C1001169
; CURRENT APPLICATION NUMBER: US/10/224,413
; CURRENT FILING DATE: 2002-08-21
; PRIOR APPLICATION NUMBER: 09/810,347
; PRIOR FILING DATE: 2001-03-19
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 360
; TYPE: PRT
; ORGANISM: Human
US-10-224-413-4

Query Match      86.7%; Score 26; DB 9; Length 360;
Best Local Similarity 66.7%; Pred. No. 3.3e+02;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAVVPO 6
|:|||||
Db 352 GSIVPO 357

RESULT 11
US-09-712-363-156
; Sequence 156, Application US/09712363
; Patent No. US20020164588A1
; GENERAL INFORMATION:
; APPLICANT: Eisenberg, David
; APPLICANT: Rotstein, Sergio H.
; APPLICANT: Marcotte, Edward M.
; TITLE OF INVENTION: DETERMINING THE FUNCTIONS AND
; TITLE OF INVENTION: INTERACTIONS OF PROTEINS BY COMPARATIVE ANALYSIS
; FILE REFERENCE: 07419-032001
; CURRENT APPLICATION NUMBER: US/09/712,363
; CURRENT FILING DATE: 2000-11-13
; PRIOR APPLICATION NUMBER: PCT/US00/02246
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: 60/179,531
; PRIOR FILING DATE: 2000-02-01
; PRIOR APPLICATION NUMBER: 60/117,844
; PRIOR FILING DATE: 1999-01-29
; PRIOR APPLICATION NUMBER: 60/118,206
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; PRIOR FILING DATE: 1999-02-01  
 ; PRIOR APPLICATION NUMBER: 60/126,593  
 ; PRIOR FILING DATE: 1999-03-26  
 ; PRIOR APPLICATION NUMBER: 60/134,093  
 ; PRIOR FILING DATE: 1999-05-14  
 ; PRIOR APPLICATION NUMBER: 60/134,092  
 ; PRIOR FILING DATE: 1999-05-14  
 ; PRIOR APPLICATION NUMBER: 60/165,124  
 ; PRIOR FILING DATE: 1999-11-12  
 ; PRIOR APPLICATION NUMBER: 60/165,086  
 ; PRIOR FILING DATE: 1999-11-12  
 ; NUMBER OF SEQ ID NOS: 292  
 ; SOFTWARE: FASTSEQ for Windows Version 4.0  
 ; SEQ ID NO: 156  
 ; LENGTH: 527  
 ; TYPE: PR1  
 ; ORGANISM: Mycobacterium tuberculosis  
 ; US-09-712-363-156

Query Match 86.7%; Score 26; DB 9; Length 527;  
 Best Local Similarity 66.7%; Pred. No. 4.9e+02;  
 Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAVVPO 6  
 Db 29 GSIVPO 34

RESULT 12  
 ; US-10-186-399-2  
 ; Sequence 2, Application US/10186399  
 ; Patent No. US20020173481A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ekman, Niklas  
 ; APPLICANT: Arighi, Elena  
 ; APPLICANT: Vastrik, Imre  
 ; APPLICANT: Tamagnone, Luca  
 ; APPLICANT: Allitalo, Kari  
 ; TITLE OF INVENTION: REGULATION OF VASCULAR ENDOTHELIUM USING BMX TYROSINE  
 ; TITLE OF INVENTION: KINASE  
 ; FILE REFERENCE: 28113/31941A  
 ; CURRENT APPLICATION NUMBER: US/10/186,399  
 ; CURRENT FILING DATE: 2002-07-01  
 ; PRIOR APPLICATION NUMBER: US 08/320,432  
 ; PRIOR FILING DATE: 1994-10-07  
 ; NUMBER OF SEQ ID NOS: 5  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO: 2  
 ; LENGTH: 651  
 ; TYPE: PR1  
 ; ORGANISM: Mus musculus  
 ; US-10-186-399-2

Query Match 86.7%; Score 26; DB 9; Length 651;  
 Best Local Similarity 66.7%; Pred. No. 6.2e+02;  
 Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAVVPO 6  
 Db 188 GAVVPO 193

RESULT 13  
 ; US-10-160-865-14  
 ; Sequence 14, Application US/10160865  
 ; Patent No. US20020169139A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Lee, Mu-En  
 ; APPLICANT: Heisler, Chung-Ming  
 ; TITLE OF INVENTION: SINGLE GENE ENCODING AORTIC-SPECIFIC AND STRIATED-SPECIFIC  
 ; TITLE OF INVENTION: MUSCLE CELL ISOFORMS AND USES THEREOF  
 ; FILE REFERENCE: 05433/038001  
 ; CURRENT APPLICATION NUMBER: US/10/160,865

; CURRENT FILING DATE: 2002-06-03  
 ; PRIOR APPLICATION NUMBER: US/09/134,250  
 ; PRIOR FILING DATE: 1998-08-14  
 ; PRIOR APPLICATION NUMBER: US 08/795,868  
 ; PRIOR FILING DATE: 1997-02-06  
 ; PRIOR APPLICATION NUMBER: US 08/494,577  
 ; PRIOR FILING DATE: 1995-06-22  
 ; NUMBER OF SEQ ID NOS: 20  
 ; SOFTWARE: FASTSEQ for Windows Version 3.0  
 ; SEQ ID NO: 14  
 ; LENGTH: 661  
 ; TYPE: PR1  
 ; ORGANISM: Homo sapiens  
 ; US-10-160-865-14

Query Match 86.7%; Score 26; DB 9; Length 661;  
 Best Local Similarity 83.3%; Pred. No. 6.3e+02;  
 Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GAVVPO 6  
 Db 349 GAVVPO 354

RESULT 14  
 ; US-09-844-988-10  
 ; Sequence 10, Application US/09844988  
 ; Patent No. US20020158764A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Mercurio, Frank  
 ; APPLICANT: Zhu, Henry  
 ; APPLICANT: Barboza, Miguel  
 ; APPLICANT: Li, Glen  
 ; APPLICANT: Murray, Brian W.  
 ; TITLE OF INVENTION: STIMULUS-INDUCIBLE PROTEIN KINASE  
 ; TITLE OF INVENTION: COMPLEX AND METHODS OF USE THEREFOR  
 ; NUMBER OF SEQUENCES: 25  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: SEED and BERRY LLP  
 ; STREET: 6300 Columbia Center, 701 Fifth Avenue  
 ; CITY: Seattle  
 ; STATE: Washington  
 ; COUNTRY: USA  
 ; ZIP: 98104  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/09/844,988  
 ; FILING DATE: 26-Apr-2001  
 ; CLASSIFICATION: <Unknown>  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: 08/910,820  
 ; FILING DATE: 1997-08-13  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Makl, David J.  
 ; REGISTRATION NUMBER: 31,392  
 ; REFERENCE/DOCKET NUMBER: 860098.413c1  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (206) 622-4800  
 ; TELEFAX: (206) 682-6031  
 ; INFORMATION FOR SEQ ID NO: 10:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 745 amino acids  
 ; TYPE: amino acid  
 ; STRANDEDNESS: <Unknown>  
 ; TOPOLOGY: linear  
 ; SEQUENCE DESCRIPTION: SEQ ID NO: 10:  
 ; US-09-844-988-10

Query Match 86.7%; Score 26; DB 9; Length 745;

Best Local Similarity 83.3%; Pred. No. 7.1e+02;  
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GAVPQ 6  
Db 673 GAVTPQ 678

RESULT 15

US-09-796-872-2  
; Sequence 2, Application US/09796872  
; Patent No. US20020045235A1  
; GENERAL INFORMATION:  
; APPLICANT: Karin, Michael  
; APPLICANT: Didonato, Joseph A.  
; APPLICANT: Rochwarf, David M.  
; APPLICANT: Hayakawa, Makio  
; APPLICANT: Zandi, Ebrahim  
; TITLE OF INVENTION: Ikb Kinase, Subunits Thereof, and Methods of Using Same  
; FILE REFERENCE: P-UD 3295  
; CURRENT APPLICATION NUMBER: US/09/796, 872  
; CURRENT FILING DATE: 2001-02-28  
; PRIOR APPLICATION NUMBER: 09/168, 629  
; PRIOR FILING DATE: 1998-10-08  
; PRIOR APPLICATION NUMBER: 60/061,470  
; PRIOR FILING DATE: 1997-10-09  
; NUMBER OF SEQ ID NOS: 20  
; SOFTWARE: Patentln Ver. 2.0  
; SEQ ID NO 2  
; LENGTH: 745  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; US-09-796-872-2

Query Match

Best Local Similarity 86.7%; Score 26; DB 10; Length 745;  
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GAVPQ 6  
Db 673 GAVTPQ 678

Search completed: April 16, 2003, 09:51:42  
Job time : 13 secs



GenCore version 5.1.4.p5.4578  
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## OM protein - protein search, using sw model

Run on: April 16, 2003, 09:32:02 ; Search time 10.4348 Seconds  
(without alignments)  
16.918 Million cell updates/sec

Title: US-09-580-156d-46

Perfect score: 30

Sequence: 1 GAVVPQ 6

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:\*

1: /cgn2\_6/ptodata/1/1aa/5A.COMB.pep:\*

2: /cgn2\_6/ptodata/1/1aa/5B.COMB.pep:\*

3: /cgn2\_6/ptodata/1/1aa/6A.COMB.pep:\*

4: /cgn2\_6/ptodata/1/1aa/6B.COMB.pep:\*

5: /cgn2\_6/ptodata/1/1aa/6C.COMB.pep:\*

6: /cgn2\_6/ptodata/1/1aa/backfile1.pep:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	30	100.0	731	2	US-08-911-364-1
2	30	100.0	733	4	US-08-464-700-2
3	30	100.0	792	2	US-08-678-039A-40
4	29	96.7	491	4	US-09-426-568A-2
5	28	93.3	1066	2	US-08-633-770A-1
6	28	93.3	1070	2	US-08-633-770A-2
7	27	90.0	478	1	US-07-745-206A-19
8	27	90.0	478	1	US-08-455-533A-40
9	27	90.0	478	2	US-08-223-305C-40
10	27	90.0	478	2	US-08-149-097D-32
11	27	90.0	478	2	US-08-311-353-19
12	27	90.0	523	1	US-08-455-533A-42
13	27	90.0	523	1	US-08-223-305C-42
14	26	86.7	20	2	US-08-751-305-16
15	26	86.7	23	6	546668-12
16	26	86.7	24	6	5256770-10
17	26	86.7	93	2	US-08-347-843B-38
18	26	86.7	93	2	US-08-427-457E-43
19	26	86.7	148	4	US-08-791-924-3
20	26	86.7	201	4	US-08-506-296B-55
21	26	86.7	257	3	US-08-728-603-19
22	26	86.7	307	4	US-09-810-347-5
23	26	86.7	321	4	US-08-506-296B-54
24	26	86.7	360	4	US-09-810-347-4
25	26	86.7	369	2	US-08-723-415B-4
26	26	86.7	369	4	US-09-189-627A-4
27	26	86.7	369	4	US-09-710-861-4

28	26	86.7	370	2	US-08-723-415B-6	Sequence 6, Appl1
29	26	86.7	370	4	US-09-189-627A-6	Sequence 6, Appl1
30	26	86.7	370	4	US-09-710-861-6	Sequence 8, Appl1
31	26	86.7	385	2	US-08-723-415B-8	Sequence 8, Appl1
32	26	86.7	385	4	US-09-189-627A-8	Sequence 8, Appl1
33	26	86.7	385	4	US-09-710-861-8	Sequence 5, Appl1
34	26	86.7	406	4	US-08-506-296B-5	Sequence 6, Appl1
35	26	86.7	439	4	US-08-506-296B-67	Sequence 2, Appl1
36	26	86.7	446	2	US-08-723-415B-2	Sequence 2, Appl1
37	26	86.7	446	4	US-09-189-627A-2	Sequence 2, Appl1
38	26	86.7	446	4	US-09-710-861-2	Sequence 2, Appl1
39	26	86.7	559	4	US-08-506-296B-66	Sequence 66, Appl1
40	26	86.7	644	4	US-08-506-296B-65	Sequence 65, Appl1
41	26	86.7	661	2	US-08-795-868-14	Sequence 14, Appl1
42	26	86.7	661	4	US-09-303-069-14	Sequence 14, Appl1
43	26	86.7	661	4	US-09-134-250-14	Sequence 14, Appl1
44	26	86.7	745	2	US-08-887-518-3	Sequence 3, Appl1
45	26	86.7	745	2	US-09-023-321-3	Sequence 3, Appl1

## ALIGNMENTS

RESULT 1

US-08-911-364-1

Sequence 1, Application US/08911364

Patent No. 5969106

GENERAL INFORMATION:

APPLICANT: ROTHSTEIN, Aser

APPLICANT: ROTHSTEIN, Steven J.

TITLE OF INVENTION: SELF-ALIGNING PEPTIDES MODELLED ON HUMAN

TITLE OF INVENTION: ELASTIN AND OTHER FIBROUS PROTEINS

NUMBER OF SEQUENCES: 8

CORRESPONDENCE ADDRESSES:

ADDRESSEE: FOLEY & LARDNER

STREET: 3000 K Street, N.W.

CITY: Washington

STATE: D.C.

COUNTRY: U.S.A.

ZIP: 20007-5109

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: IBM PC compatible

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/911,364

FILING DATE: 07-AUG-1997

CLASSIFICATION: 530

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 60/023,552

FILING DATE: 07-AUG-1996

ATTORNEY/AGENT INFORMATION:

NAME: Bent, Stephen A.

REGISTRATION NUMBER: 29,768

REFERENCE/DOCKET NUMBER: 041082/0104

TELECOMMUNICATION INFORMATION:

TELEPHONE: (202) 672-5300

TELEFAX: (202) 672-5399

\* INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 731 amino acids

TYPE: amino acid

STRANDEDNESS:

TOPOLOGY: linear

MOLECULE TYPE: peptide

US-08-911-364-1

Query Match 100.0%; Score 30; DB 2; Length 731;

Best Local Similarity 100.0%; Pred. No. 18+02;

Matches 6; Conservative 0; Mismatches 0; Indels 0;

OY 1 GAVVPO 6  
Db 100 GAVVPO 105

## RESULT 2

US-08-464-700-2  
Sequence 2, Application US/08464700  
Patent No. 6232458  
GENERAL INFORMATION:  
APPLICANT: WEISS, ANTHONY S  
APPLICANT: MARTIN, STEPHEN L  
TITLE OF INVENTION: SYNTHETIC POLYNUCLEOTIDES  
NUMBER OF SEQUENCES: 54  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Howson and Howson  
STREET: Spring House Corporate Cntr, PO Box 457  
CITY: Spring House  
STATE: Pennsylvania  
COUNTRY: USA  
ZIP: 19477  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/464,700  
FILING DATE: 7-JUN-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: AU PL6520  
FILING DATE: 22-DEC-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: AU PL9661  
FILING DATE: 28-JUN-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: PCT/AU93/00655  
FILING DATE: 16-DEC-1993  
ATTORNEY/AGENT INFORMATION:  
NAME: Bak, Mary E.  
REGISTRATION NUMBER: 31,215  
REFERENCE/DOCKET NUMBER: GHC3USA  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 215-540-9200  
TELEFAX: 215-540-5818  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 733 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-464-700-2

Query Match 100.0%; Score 30; DB 4; Length 733;  
Best Local Similarity 100.0%; Pred. No. 1e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 GAVVPO 6  
Db 102 GAVVPO 107

RESULT 3  
US-08-678-039A-40  
Sequence 40, Application US/08678039A  
GENERAL INFORMATION:  
APPLICANT: Keating, Mark T.  
APPLICANT: Morris, Colleen A.  
TITLE OF INVENTION: Diagnosis of Williams Syndrome and  
TITLE OF INVENTION: Williams Syndrome Cognitive Profile by Analysis of the  
TITLE OF INVENTION: Presence or Absence of a LIM-Kinase Gene

NUMBER OF SEQUENCES: 42  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Rothwell, Piggy, Ernst & Kurz, P.C.  
STREET: 555 Thirteenth Street, N.W., Suite 701 East  
STREET: Tower  
CITY: Washington  
STATE: DC  
COUNTRY: U.S.A.  
ZIP: 20004

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/678,039A  
FILING DATE: 10-JUL-1996  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Saxe, Stephen A.  
REGISTRATION NUMBER: 38,609  
REFERENCE/DOCKET NUMBER: 2323-120A  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 202-624-1589  
TELEFAX: 202-783-6031  
INFORMATION FOR SEQ ID NO: 40:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 792 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-678-039A-40

Query Match 100.0%; Score 30; DB 2; Length 792;  
Best Local Similarity 100.0%; Pred. No. 1.1e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 GAVVPO 6  
Db 126 GAVVPO 131

RESULT 4  
US-09-426-568A-2  
Sequence 2, Application US/09426568A  
Patent No. 6348643  
GENERAL INFORMATION:  
APPLICANT: Kakefuda, Genichi  
APPLICANT: Costello, Colleen  
APPLICANT: Sun, Ming  
APPLICANT: Hu, Weiming  
TITLE OF INVENTION: Genes and Vectors for Conferring Herbicide Resistance  
FILE REFERENCE: 008103/195497  
CURRENT APPLICATION NUMBER: US/09/426,568A  
CURRENT FILING DATE: 1999-10-22  
PRIOR APPLICATION NUMBER: 60/106,239  
PRIOR FILING DATE: 1998-10-29  
NUMBER OF SEQ ID NOS: 11  
SOFTWARE: Patentin Ver. 2.1  
SEQ ID NO 2  
LENGTH: 491  
TYPE: PRT  
ORGANISM: Arabidopsis sp.  
US-09-426-568A-2

Query Match 96.7%; Score 29; DB 4; Length 491;  
Best Local Similarity 83.3%; Pred. No. 1.1e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

OY 1 GAVVPO 6  
Db 273 GAVVPO 278

RESULT 5  
US-08-633-770A-1  
Sequence 1, Application US/08633770A  
Patent No. 5908760  
GENERAL INFORMATION:  
APPLICANT: Bojseen, Kirsten  
APPLICANT: Yu, Shukun  
APPLICANT: Krach, Karsten  
APPLICANT: Christensen, Tove  
APPLICANT: Marcussen, Jan  
TITLE OF INVENTION: ALPHA-1,4-GLUCAN LYASE FROM A FUNGUS, ITS  
TITLE OF INVENTION: PURIFICATION GENE CLONING AND EXPRESSION IN MICROORGANISMS  
NUMBER OF SEQUENCES: 12  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Knobbe, Martens, Olson & Bear  
STREET: 620 Newport Center Drive 16th Floor  
CITY: Newport Beach  
STATE: CA  
COUNTRY: U.S.A.  
ZIP: 92660  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/633,770A  
FILING DATE: July 8, 1996  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: PCT/EP94/03398  
FILING DATE: OCT-15-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Altman, Daniel E  
REGISTRATION NUMBER: 34,115  
REFERENCE/DOCKET NUMBER: DYOU6.001APC  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 714-760-0404  
TELEFAX: 714-760-9502  
TELEX:  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1066 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-633-770A-1

Query Match 93.3%; Score 28; DB 2; Length 1066;  
Best Local Similarity 66.7%; Pred. No. 3.9e+02;  
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAVVPQ 6  
||:|  
Db 880 GATIPQ 885

RESULT 6  
US-08-633-770A-2  
Sequence 2, Application US/08633770A  
Patent No. 5908760  
GENERAL INFORMATION:  
APPLICANT: Bojseen, Kirsten  
APPLICANT: Yu, Shukun  
APPLICANT: Krach, Karsten  
APPLICANT: Christensen, Tove  
APPLICANT: Marcussen, Jan  
TITLE OF INVENTION: ALPHA-1,4-GLUCAN LYASE FROM A FUNGUS, ITS  
TITLE OF INVENTION: PURIFICATION GENE CLONING AND EXPRESSION IN MICROORGANISMS  
NUMBER OF SEQUENCES: 12  
CORRESPONDENCE ADDRESS:

ADDRESSEE: Knobbe, Martens, Olson & Bear  
STREET: 620 Newport Center Drive 16th Floor  
CITY: Newport Beach  
STATE: CA  
COUNTRY: U.S.A.  
ZIP: 92660  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/633,770A  
FILING DATE: July 8, 1996  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: PCT/EP94/03398  
FILING DATE: OCT-15-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Altman, Daniel E  
REGISTRATION NUMBER: 34,115  
REFERENCE/DOCKET NUMBER: DYOU6.001APC  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 714-760-0404  
TELEFAX: 714-760-9502  
TELEX:  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1070 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-633-770A-2

Query Match 93.3%; Score 28; DB 2; Length 1070;  
Best Local Similarity 66.7%; Pred. No. 3.9e+02;  
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAVVPQ 6  
||:|  
Db 879 GATIPQ 884

RESULT 7  
US-07-745-206A-19  
Sequence 19, Application US/07745206A  
Patent No. 5429921  
GENERAL INFORMATION:  
APPLICANT: Harpold, Michael  
APPLICANT: Ellis, Steven  
APPLICANT: Williams, Mark  
APPLICANT: McCue, Ann  
APPLICANT: Feldman, Daniel  
TITLE OF INVENTION: Human Calcium Channel Compositions and  
TITLE OF INVENTION: Methods  
NUMBER OF SEQUENCES: 32  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Fitch, Even, Tabin & Flannery  
STREET: 135 S. LaSalle  
CITY: Chicago  
STATE: Illinois  
COUNTRY: U.S.A.  
ZIP: 60603  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/745,206A  
FILING DATE: 19910815  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:

NAME: Feder, Scott B  
REFERENCE/DOCKET NUMBER: 51504  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 312-372-7842  
INFORMATION FOR SEQ ID NO: 19:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 478 amino acids  
TYPE: AMINO ACID  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-07-745-206A-19

Query Match 90.0%; Score 27; DB 1; Length 478;  
Best Local Similarity 83.3%; Pred. No. 2.9e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Gy 1 GAVVPQ 6  
Db 467 GSVVPQ 472

RESULT 8  
US-08-455-543A-40  
Sequence 40, Application US/08455543A  
Patent No. 5792846  
GENERAL INFORMATION:  
APPLICANT: Harpold, Michael  
APPLICANT: Ellis, Steven  
APPLICANT: Williams, Mark  
APPLICANT: Feldman, Daniel  
APPLICANT: McCue, Ann  
TITLE OF INVENTION: HUMAN CALCIUM CHANNEL COMPOSITIONS AND  
TITLE OF INVENTION: METHODS  
NUMBER OF SEQUENCES: 57  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Brown, Martin, Haller & McClain  
STREET: 1660 Union Street  
CITY: San Diego  
STATE: California  
COUNTRY: USA  
ZIP: 92101-2926  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FASTSEQ Version 1.5  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/455,543A  
FILING DATE: May 31, 1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/223,305  
FILING DATE: April 4, 1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/868,354  
FILING DATE: April 10, 1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/745,206  
FILING DATE: 15-AUG-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/620,250  
FILING DATE: 30-NOV-1990  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/482,384  
FILING DATE: 20-FEB-1990  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/603,751  
FILING DATE: 04-APR-1989  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: WO PCT/US89/01408  
FILING DATE: 04-APR-1989  
APPLICATION NUMBER: US 07/176,899

FILING DATE: 04-APR-1988  
ATTORNEY/AGENT INFORMATION:  
NAME: Seidman, Stephanie L.  
REGISTRATION NUMBER: 33,779  
REFERENCE/DOCKET NUMBER: 6362-52517  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (619)238-0999  
TELEFAX: (619)238-0062  
INFORMATION FOR SEQ ID NO: 40:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 478 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
FRAGMENT TYPE: internal  
US-08-455-543A-40

Query Match 90.0%; Score 27; DB 1; Length 478;  
Best Local Similarity 83.3%; Pred. No. 2.9e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Gy 1 GAVVPQ 6  
Db 467 GSVVPQ 472

RESULT 9  
US-08-223-305C-40  
Sequence 40, Application US/08223305C  
Patent No. 5851824  
GENERAL INFORMATION:  
APPLICANT: Harpold, Michael  
APPLICANT: Ellis, Steven  
APPLICANT: Williams, Mark  
APPLICANT: Feldman, Daniel  
APPLICANT: McCue, Ann  
TITLE OF INVENTION: HUMAN CALCIUM CHANNEL COMPOSITIONS AND  
TITLE OF INVENTION: METHODS  
NUMBER OF SEQUENCES: 57  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Brown, Martin, Haller & McClain  
STREET: 1660 Union Street  
CITY: San Diego  
STATE: California  
COUNTRY: USA  
ZIP: 92101-2926  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FASTSEQ Version 1.5  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/223,305C  
FILING DATE: April 4, 1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/868,354  
FILING DATE: April 10, 1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/745,206  
FILING DATE: 15-AUG-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/620,250  
FILING DATE: 30-NOV-1990  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/482,384  
FILING DATE: 20-FEB-1990  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/603,751  
FILING DATE: 04-APR-1989  
APPLICATION NUMBER: WO PCT/US89/01408

FILING DATE: 04-APR-1989  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/176,899  
FILING DATE: 04-APR-1988  
ATTORNEY/AGENT INFORMATION:  
NAME: Seidman, Stephanie L.  
REGISTRATION NUMBER: 33,779  
REFERENCE/DOCKET NUMBER: 52516 (R519739)  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (619) 238-0999  
TELEFAX: (619) 238-0062  
INFORMATION FOR SEQ ID NO: 40:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 478 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
FRAGMENT TYPE: internal  
US-08-223-305C-40

Query Match 90.0%; Score 27; DB 2; Length 478;  
Best Local Similarity 83.3%; Pred. No. 2.9e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAVVPO 6  
Db 467 GSVVPO 472

RESULT 10  
US-08-149-097D-32  
Sequence 32, Application US/08149097D  
Patent No. 5874236  
GENERAL INFORMATION:  
APPLICANT: Harpold, Michael  
APPLICANT: Ellis, Steven  
APPLICANT: Williams, Mark  
APPLICANT: Feldman, Daniel  
APPLICANT: McCue, Ann  
APPLICANT: Brenner, Robert  
TITLE OF INVENTION: HUMAN CALCIUM CHANNEL COMPOSITIONS AND  
TITLE OF INVENTION: METHODS  
NUMBER OF SEQUENCES: 40  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Brown, Martin, Haller & McClain  
STREET: 1660 Union Street  
CITY: San Diego  
STATE: California  
COUNTRY: USA  
ZIP: 92101-2926  
COMPUTER READABLE FORM:  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/149,097D  
FILING DATE: 05-NOV-1993  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/105,536  
FILING DATE: 11-AUG-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: WO PCT/US92/06903  
FILING DATE: 14-AUG-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/914,231  
FILING DATE: 13-JUL-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/868,354  
FILING DATE: 10-APR-1992  
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/745,206  
FILING DATE: 15-AUG-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/620,250  
FILING DATE: 30-NOV-1990  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/482,384  
FILING DATE: 20-FEB-1990  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/603,751  
FILING DATE: 04-APR-1989  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: WO PCT/US89/01408  
FILING DATE: 04-APR-1989  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/176,899  
FILING DATE: 04-APR-1988  
ATTORNEY/AGENT INFORMATION:  
NAME: Seidman, Stephanie L.  
REGISTRATION NUMBER: 33,779  
REFERENCE/DOCKET NUMBER: 6362-55038  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (619) 238-0999  
TELEFAX: (619) 238-0062  
INFORMATION FOR SEQ ID NO: 32:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 478 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
HYPOTHEICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: internal  
ORIGINAL SOURCE:  
US-08-149-097D-32

Query Match 90.0%; Score 27; DB 2; Length 478;  
Best Local Similarity 83.3%; Pred. No. 2.9e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAVVPO 6  
Db 467 GSVVPO 472

RESULT 11  
US-08-311-363-19  
Sequence 19, Application US/08311363  
Patent No. 5876958  
GENERAL INFORMATION:  
APPLICANT: Harpold, Michael  
APPLICANT: Ellis, Steven  
APPLICANT: Williams, Mark  
APPLICANT: Feldman, Daniel  
APPLICANT: McCue, Ann  
APPLICANT: Brenner, Robert  
TITLE OF INVENTION: Human Calcium Channel Compositions and  
TITLE OF INVENTION: Methods  
NUMBER OF SEQUENCES: 32  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Brown, Martin, Haller & McClain  
STREET: 1660 Union Street  
CITY: San Diego  
STATE: California  
COUNTRY: USA  
ZIP: 92101-2926  
COMPUTER READABLE FORM:  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/311,363  
FILING DATE:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/745,206  
FILING DATE: 15-AUG-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Seidman, Stephanie L.  
REGISTRATION NUMBER: 33,779  
REFERENCE/DOCKET NUMBER: 6362-51506  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (619)238-0099  
TELEFAX: (619)238-0062  
INFORMATION FOR SEQ ID NO: 19:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 478 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-311-363-19

Query Match 90.0%; Score 27; DB 2; Length 478;  
Best Local Similarity 83.3%; Pred. No. 2.9e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAVVPO 6  
Db 467 GSVVPO 472

RESULT 12  
US-08-455-543A-42  
Sequence 42, Application US/08455543A  
Patent No. 5792846  
GENERAL INFORMATION:  
APPLICANT: Harpold, Michael  
APPLICANT: Ellis, Steven  
APPLICANT: Williams, Mark  
APPLICANT: Feldman, Daniel  
APPLICANT: McCue, Ann  
APPLICANT: Brenner, Robert  
TITLE OF INVENTION: HUMAN CALCIUM CHANNEL COMPOSITIONS AND  
TITLE OF INVENTION: METHODS  
NUMBER OF SEQUENCES: 57  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Brown, Martin, Haller & McClain  
STREET: 1660 Union Street  
CITY: San Diego  
STATE: California  
COUNTRY: USA  
ZIP: 92101-2926  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq Version 1.5  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/455,543A  
FILING DATE: May 31, 1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/223,305  
FILING DATE: April 4, 1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/868,354  
FILING DATE: April 10, 1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/745,206  
FILING DATE: 15-AUG-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/620,250  
FILING DATE: 30-NOV-1990  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/482,384  
FILING DATE: 20-FEB-1990

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/603,751  
FILING DATE: 04-APR-1989  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: WO PCT/US89/01408  
FILING DATE: 04-APR-1989  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/176,899  
FILING DATE: 04-APR-1988  
ATTORNEY/AGENT INFORMATION:  
NAME: Seidman, Stephanie L.  
REGISTRATION NUMBER: 33,779  
REFERENCE/DOCKET NUMBER: 6362-52517  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (619)238-0062  
TELEFAX: (619)238-0099  
INFORMATION FOR SEQ ID NO: 42:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 523 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
FRAGMENT TYPE: internal  
US-08-455-543A-42

Query Match 90.0%; Score 27; DB 1; Length 523;  
Best Local Similarity 83.3%; Pred. No. 3.2e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAVVPO 6  
Db 512 GSVVPO 517

RESULT 13  
US-08-223-305C-42  
Sequence 42, Application US/08223305C  
Patent No. 5851824  
GENERAL INFORMATION:  
APPLICANT: Harpold, Michael  
APPLICANT: Ellis, Steven  
APPLICANT: Williams, Mark  
APPLICANT: Feldman, Daniel  
APPLICANT: McCue, Ann  
APPLICANT: Brenner, Robert  
TITLE OF INVENTION: HUMAN CALCIUM CHANNEL COMPOSITIONS AND  
TITLE OF INVENTION: METHODS  
NUMBER OF SEQUENCES: 57  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Brown, Martin, Haller & McClain  
STREET: 1660 Union Street  
CITY: San Diego  
STATE: California  
COUNTRY: USA  
ZIP: 92101-2926  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq Version 1.5  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/223,305C  
FILING DATE: April 4, 1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/868,354  
FILING DATE: April 10, 1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/745,206  
FILING DATE: 15-AUG-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/620,250  
FILING DATE: 30-NOV-1990

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/482,384  
FILING DATE: 20-FEB-1990  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/603,751  
FILING DATE: 04-APR-1989  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: WO PCT/US89/01408  
FILING DATE: 04-APR-1989  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/176,899  
FILING DATE: 04-APR-1988  
ATTORNEY/AGENT INFORMATION:  
NAME: Seidman, Stephanie L.  
REGISTRATION NUMBER: 33,779  
REFERENCE/DOCKET NUMBER: 52516 (P519739)  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (619)238-0999  
TELEFAX: (619)238-0062  
INFORMATION FOR SEQ ID NO: 42:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 523 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
FRAGMENT TYPE: internal  
US-08-223-305C-42

Query Match 90.0%; Score 27; DB 2; Length 523;  
Best Local Similarity 83.3%; Pred. No. 3.2e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAVVPO 6  
Db 512 GSVVPO 517

RESULT 14  
US-08-751-305-16  
Sequence 16, Application US/08751305  
Patent No. 5965439  
GENERAL INFORMATION:  
APPLICANT: Tenner et al., Andrea J.  
TITLE OF INVENTION: HOST DEFENSE ENHANCEMENT  
NUMBER OF SEQUENCES: 33  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Fish & Richardson P.C.  
STREET: 4225 Executive Square, Suite 1400  
CITY: La Jolla  
STATE: CA  
COUNTRY: USA  
ZIP: 92037  
COMPUTER READABLE FORM:  
MEDIUM TYPE: floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/751,305  
FILING DATE: 18-NOV-1996  
CLASSIFICATION: 514  
ATTORNEY/AGENT INFORMATION:  
NAME: Wetherell, Jr., John R.  
REGISTRATION NUMBER: 31,678  
REFERENCE/DOCKET NUMBER: 07306/012001  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 619/678-5070  
TELEFAX: 619/678-5099  
INFORMATION FOR SEQ ID NO: 16:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 20 amino acids  
TYPE: amino acid

STRANDEDNESS: not relevant  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-751-305-16

Query Match 86.7%; Score 26; DB 2; Length 20;  
Best Local Similarity 83.3%; Pred. No. 22;  
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GAVVPO 6  
Db 2 GATVPO 7

RESULT 15  
5466668-12  
Patent No. 5466668  
APPLICANT: GLASER, CHARLES B.; MORSER, MICHAEL J.; LIGHT,  
DAVID R.  
TITLE OF INVENTION: SUPERIOR THROMBOMODULIN ANALOGS FOR  
PHARMACEUTICAL USE  
NUMBER OF SEQUENCES: 57  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/155,346  
FILING DATE: 22-NOV-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 568,456  
FILING DATE: 15-AUG-1990  
APPLICATION NUMBER: 506,325  
FILING DATE: 09-APR-1990  
APPLICATION NUMBER: 406,941  
FILING DATE: 13-SEP-1989  
APPLICATION NUMBER: 345,374  
FILING DATE: 28-APR-1989  
SEQ ID NO: 12:  
LENGTH: 23  
5466668-12

Query Match 86.7%; Score 26; DB 6; Length 23;  
Best Local Similarity 83.3%; Pred. No. 25;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAVVPO 6  
Db 15 GAVVPR 20

Search completed: April 16, 2003, 09:40:02  
Job time: 11.4348 secs

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# OM protein - protein search, using SW model

Run on: April 16, 2003, 09:38:18 ; Search time 32 Seconds  
(without alignments)  
38.983 Million cell updates/sec

Title: US-09-580-156D-51

Perfect score: 48

Sequence: 1 CGAVPQC 8

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 705215 seqs, 155932251 residues

Total number of hits satisfying chosen parameters: 705215

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Pending Patents\_AA\_NEW:\*

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2: /cgn2\_6/ptodata/1/paa/US06\_NEW\_COMB.pep:\*

3: /cgn2\_6/ptodata/1/paa/US07\_NEW\_COMB.pep:\*

4: /cgn2\_6/ptodata/1/paa/US08\_NEW\_COMB.pep:\*

5: /cgn2\_6/ptodata/1/paa/US09\_NEW\_COMB.pep:\*

6: /cgn2\_6/ptodata/1/paa/US10\_NEW\_COMB.pep:\*

7: /cgn2\_6/ptodata/1/paa/US60\_NEW\_COMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	48	100.0	8	5	US-09-580-893C-51
2	48	100.0	8	5	US-09-580-893C-54
3	48	100.0	8	5	US-09-580-893D-51
4	48	100.0	8	5	US-09-580-893D-54
5	48	100.0	8	5	US-09-580-110E-51
6	48	100.0	8	5	US-09-580-110E-54
7	48	100.0	8	5	US-09-580-156D-51
8	48	100.0	8	5	US-09-580-156D-54
9	43	89.6	8	5	US-09-580-893C-62
10	43	89.6	8	5	US-09-580-893C-65
11	43	89.6	8	5	US-09-580-893D-62
12	43	89.6	8	5	US-09-580-893D-65
13	43	89.6	8	5	US-09-580-110E-62
14	43	89.6	8	5	US-09-580-110E-65
15	38	79.2	6	6	US-10-366-683-12643
16	37	77.1	91	5	US-09-864-408A-6692
17	37	77.1	422	6	US-10-017-161-2400
18	36	75.0	205	7	US-60-452-680-12504
19	36	75.0	205	7	US-60-453-135-7783
20	36	75.0	205	7	US-60-453-135-7783
21	36	75.0	232	5	US-09-949-016-11200
22	36	75.0	235	5	US-09-724-676A-67280
23	36	75.0	235	5	US-09-724-676A-67280
24	36	75.0	283	5	US-09-798-053-7
25	36	75.0	564	5	US-09-724-676A-55124
26	36	75.0	564	5	US-09-724-676A-55124

27	36	75.0	577	6	US-10-144-779-449	Sequence 449, App
28	36	75.0	579	6	US-10-094-749-1884	Sequence 1884, Ap
29	36	75.0	579	6	US-60-453-135-9097	Sequence 9097, Ap
30	36	75.0	579	7	US-60-453-050-9097	Sequence 9097, Ap
31	36	75.0	579	7	US-09-724-676A-55126	Sequence 55126, A
32	36	75.0	579	7	US-09-724-676A-55126	Sequence 55126, A
33	36	75.0	579	7	US-09-724-676A-55126	Sequence 55126, A
34	36	75.0	579	7	US-09-724-676A-55126	Sequence 55126, A
35	36	75.0	579	7	US-09-724-676A-55126	Sequence 55126, A
36	36	75.0	579	7	US-09-724-676A-55126	Sequence 55126, A
37	36	75.0	579	7	US-09-724-676A-55126	Sequence 55126, A
38	36	75.0	579	7	US-09-724-676A-55126	Sequence 55126, A
39	36	75.0	579	7	US-09-724-676A-55126	Sequence 55126, A
40	36	75.0	579	7	US-09-724-676A-55126	Sequence 55126, A
41	36	75.0	579	7	US-09-724-676A-55126	Sequence 55126, A
42	36	75.0	579	7	US-09-724-676A-55126	Sequence 55126, A
43	36	75.0	579	7	US-09-724-676A-55126	Sequence 55126, A
44	36	75.0	579	7	US-09-724-676A-55126	Sequence 55126, A
45	36	75.0	579	7	US-09-724-676A-55126	Sequence 55126, A

## ALIGNMENTS

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RESULT 1
US-09-580-893C-51
; Sequence 51, Application US/09580893C
; GENERAL INFORMATION:
; APPLICANT: SANDBERG, LAWRENCE B
; APPLICANT: MITTS, THOMAS F
; APPLICANT: JIMENEZ JR, FELIPE
; TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS
; FILE REFERENCE: 00-144-US
; CURRENT APPLICATION NUMBER: US/09/580, 893C
; CURRENT FILING DATE: 2002-10-08
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 51
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Peptide
; NAME/KEY: DISULFID
; LOCATION: (1)..(8)
; OTHER INFORMATION: TERMINAL CYSTEINES FORM DISULFIDE BOND
US-09-580-893C-51

Query Match      100.0%; Score 48; DB 5; Length 8;
Best Local Similarity 100.0%; Pred. No. 66+05;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy      1 CGAVPQC 8
Db      1 CGAVPQC 8

RESULT 2
US-09-580-893C-54
; Sequence 54, Application US/09580893C
; GENERAL INFORMATION:
; APPLICANT: SANDBERG, LAWRENCE B
; APPLICANT: MITTS, THOMAS F
; APPLICANT: JIMENEZ JR, FELIPE
; TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS
; FILE REFERENCE: 00-144-US
; CURRENT APPLICATION NUMBER: US/09/580, 893C
; CURRENT FILING DATE: 2002-10-08
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 54
; LENGTH: 8

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; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Peptide
; FEATURE:
; NAME/KEY: METAL
; LOCATION: (1)..(8)
; OTHER INFORMATION: METAL IS COPPER, BINDING TO LOCATIONS 1 AND 8
US-09-580-893C-54

Query Match
Best Local Similarity 100.0%; Score 48; DB 5; Length 8;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CGAVVPOC 8
Db 1 CGAVVPOC 8

RESULT 3
US-09-580-893D-51
; Sequence 51, Application US/09580893D
; GENERAL INFORMATION:
; APPLICANT: SANDBERG, LAWRENCE B
; APPLICANT: MITTS, THOMAS F
; APPLICANT: JIMENEZ JR, FELIPE
; TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS
; FILE REFERENCE: 00-144-US
; CURRENT APPLICATION NUMBER: US/09/580,893D
; CURRENT FILING DATE: 2002-10-08
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 51
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Peptide
; FEATURE:
; NAME/KEY: DISULFID
; LOCATION: (1)..(8)
; OTHER INFORMATION: TERMINAL CYSTEINES FORM DISULFIDE BOND
US-09-580-893D-51

Query Match
Best Local Similarity 100.0%; Score 48; DB 5; Length 8;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CGAVVPOC 8
Db 1 CGAVVPOC 8

RESULT 4
US-09-580-893D-54
; Sequence 54, Application US/09580893D
; GENERAL INFORMATION:
; APPLICANT: SANDBERG, LAWRENCE B
; APPLICANT: MITTS, THOMAS F
; APPLICANT: JIMENEZ JR, FELIPE
; TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS
; FILE REFERENCE: 00-144-US
; CURRENT APPLICATION NUMBER: US/09/580,893D
; CURRENT FILING DATE: 2002-10-08
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 54
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Peptide
; FEATURE:
; NAME/KEY: DISULFID
; LOCATION: (1)..(8)
; OTHER INFORMATION: TERMINAL CYSTEINES FORM DISULFIDE BOND
US-09-580-893D-54
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; NAME/KEY: METAL
; LOCATION: (1)..(8)
; OTHER INFORMATION: METAL IS COPPER, BINDING TO LOCATIONS 1 AND 8
US-09-580-893D-54

Query Match
Best Local Similarity 100.0%; Score 48; DB 5; Length 8;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CGAVVPOC 8
Db 1 CGAVVPOC 8

RESULT 5
US-09-580-110E-51
; Sequence 51, Application US/09580110E
; GENERAL INFORMATION:
; APPLICANT: MITTS, THOMAS F.
; APPLICANT: SANDBERG, LAWRENCE B.
; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND USES OF SAME IN COMBINATION WITH SKIN
; FILE REFERENCE: 25812-13
; CURRENT APPLICATION NUMBER: US/09/580,110E
; CURRENT FILING DATE: 2000-05-30
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 51
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: peptide
US-09-580-110E-51

Query Match
Best Local Similarity 100.0%; Score 48; DB 5; Length 8;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CGAVVPOC 8
Db 1 CGAVVPOC 8

RESULT 6
US-09-580-110E-54
; Sequence 54, Application US/09580110E
; GENERAL INFORMATION:
; APPLICANT: MITTS, THOMAS F.
; APPLICANT: SANDBERG, LAWRENCE B.
; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND USES OF SAME IN COMBINATION WITH SKIN
; FILE REFERENCE: 25812-13
; CURRENT APPLICATION NUMBER: US/09/580,110E
; CURRENT FILING DATE: 2000-05-30
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 54
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: peptide
US-09-580-110E-54

Query Match
Best Local Similarity 100.0%; Score 48; DB 5; Length 8;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CGAVVPOC 8
Db 1 CGAVVPOC 8
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## RESULT 7

US-09-580-156D-51  
; Sequence 51, Application US/09580156D  
; GENERAL INFORMATION:  
; APPLICANT: Lawrence, Sandberg B.  
; APPLICANT: Thomas, Mites F.  
; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND USES THEREOF  
; FILE REFERENCE: 25812-5CIP  
; CURRENT APPLICATION NUMBER: US/09/580,156D  
; CURRENT FILING DATE: 2000-05-30  
; PRIOR APPLICATION NUMBER: 09/039,308  
; PRIOR FILING DATE: 1998-03-13  
; PRIOR APPLICATION NUMBER: PCT/US99/05496  
; PRIOR FILING DATE: 1999-03-12  
; NUMBER OF SEQ ID NOS: 54  
; SOFTWARE: Patentln version 3.1  
; SEQ ID NO 51  
; LENGTH: 8  
; TYPE: PRT  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: peptide  
; NAME/KEY: DISULFID  
; LOCATION: (1)..(8)  
; OTHER INFORMATION: TERMINAL CYSTEINES FORM DISULFIDE BOND  
US-09-580-156D-51

## Query Match

Best Local Similarity 100.0%; Score 48; DB 5; Length 8;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGAVVPOC 8  
Db 1 CGAVVPOC 8

## RESULT 8

US-09-580-156D-54  
; Sequence 54, Application US/09580156D  
; GENERAL INFORMATION:  
; APPLICANT: Lawrence, Sandberg B.  
; APPLICANT: Thomas, Mites F.  
; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND USES THEREOF  
; FILE REFERENCE: 25812-5CIP  
; CURRENT APPLICATION NUMBER: US/09/580,156D  
; CURRENT FILING DATE: 2000-05-30  
; PRIOR APPLICATION NUMBER: 09/039,308  
; PRIOR FILING DATE: 1998-03-13  
; PRIOR APPLICATION NUMBER: PCT/US99/05496  
; PRIOR FILING DATE: 1999-03-12  
; NUMBER OF SEQ ID NOS: 54  
; SOFTWARE: Patentln version 3.1  
; SEQ ID NO 54  
; LENGTH: 8  
; TYPE: PRT  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: peptide  
; NAME/KEY: METAL  
; LOCATION: (1)..(8)  
; OTHER INFORMATION: METAL IS COPPER; BINDING TO LOCATION 1 AND 8  
US-09-580-156D-54

Query Match  
Best Local Similarity 100.0%; Score 48; DB 5; Length 8;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGAVVPOC 8  
Db 1 CGAVVPOC 8

## RESULT 9

US-09-580-893C-62  
; Sequence 62, Application US/09580893C  
; GENERAL INFORMATION:  
; APPLICANT: Sandberg, Lawrence B  
; APPLICANT: Mitts, Thomas F  
; APPLICANT: Jimenez JR, Felipe  
; TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS  
; FILE REFERENCE: 00-144-US  
; CURRENT APPLICATION NUMBER: US/09/580,893C  
; CURRENT FILING DATE: 2002-10-08  
; NUMBER OF SEQ ID NOS: 75  
; SOFTWARE: Patentln Ver. 2.1  
; SEQ ID NO 62  
; LENGTH: 8  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Peptide  
; NAME/KEY: DISULFID  
; LOCATION: (1)..(8)  
; OTHER INFORMATION: TERMINAL CYSTEINES FORM DISULFIDE BOND  
US-09-580-893C-62

## Query Match

Best Local Similarity 89.6%; Score 43; DB 5; Length 8;  
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CGAVVPOC 8  
Db 1 CGAVVPOC 8

## RESULT 10

US-09-580-893C-65  
; Sequence 65, Application US/09580893C  
; GENERAL INFORMATION:  
; APPLICANT: Sandberg, Lawrence B  
; APPLICANT: Mitts, Thomas F  
; APPLICANT: Jimenez JR, Felipe  
; TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS  
; FILE REFERENCE: 00-144-US  
; CURRENT APPLICATION NUMBER: US/09/580,893C  
; CURRENT FILING DATE: 2002-10-08  
; NUMBER OF SEQ ID NOS: 75  
; SOFTWARE: Patentln Ver. 2.1  
; SEQ ID NO 65  
; LENGTH: 8  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Peptide  
; NAME/KEY: METAL  
; LOCATION: (1)..(8)  
; OTHER INFORMATION: METAL IS COPPER; BINDING TO LOCATION 1 AND 8  
US-09-580-893C-65

Query Match  
Best Local Similarity 89.6%; Score 43; DB 5; Length 8;  
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CGAVVPOC 8  
Db 1 CGAVVPOC 8

RESULT 11  
US-09-580-893D-62  
; Sequence 62, Application US/09580893D

GENERAL INFORMATION:  
APPLICANT: SANDBERG, LAWRENCE B  
APPLICANT: MITTS, THOMAS F  
APPLICANT: JIMENEZ JR, FELIPE  
TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS  
FILE REFERENCE: 00-144-US  
CURRENT APPLICATION NUMBER: US/09/580,893D  
CURRENT FILING DATE: 2002-10-08  
NUMBER OF SEQ ID NOS: 75  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 62  
LENGTH: 8  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE: Description of Artificial Sequence: Peptide  
NAME/KEY: DISULFID  
LOCATION: (1)..(8)  
OTHER INFORMATION: TERMINAL CYSTEINES FORM DISULFIDE BOND  
US-09-580-893D-62

Query Match 89.6%; Score 43; DB 5; Length 8;  
Best Local Similarity 87.5%; Pred. No. 6e+05;  
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Oy 1 CGAVVPOC 8  
Db 1 CGAVVNC 8

RESULT 12  
US-09-580-893D-65  
Sequence 65, Application US/09580893D  
GENERAL INFORMATION:  
APPLICANT: SANDBERG, LAWRENCE B  
APPLICANT: MITTS, THOMAS F  
APPLICANT: JIMENEZ JR, FELIPE  
TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS  
FILE REFERENCE: 00-144-US  
CURRENT APPLICATION NUMBER: US/09/580,893D  
CURRENT FILING DATE: 2002-10-08  
NUMBER OF SEQ ID NOS: 75  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 65  
LENGTH: 8  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE: Description of Artificial Sequence: Peptide  
NAME/KEY: METAL  
LOCATION: (1)..(8)  
OTHER INFORMATION: METAL IS COPPER; BINDING TO LOCATION 1 AND 8  
US-09-580-893D-65

Query Match 89.6%; Score 43; DB 5; Length 8;  
Best Local Similarity 87.5%; Pred. No. 6e+05;  
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Oy 1 CGAVVPOC 8  
Db 1 CGAVVNC 8

RESULT 13  
US-09-580-110E-62  
Sequence 62, Application US/09580110E  
GENERAL INFORMATION:  
APPLICANT: MITTS, THOMAS F  
APPLICANT: SANDBERG, LAWRENCE B  
TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND USES OF SAME IN COMBINATION WITH SKIN  
TITLE OF INVENTION: ENHANCING AGENTS

FILE REFERENCE: 25812-13  
CURRENT APPLICATION NUMBER: US/09/580,110E  
CURRENT FILING DATE: 2000-05-30  
NUMBER OF SEQ ID NOS: 75  
SOFTWARE: PatentIn Version 3.1  
SEQ ID NO 62  
LENGTH: 8  
TYPE: PRT  
ORGANISM: Artificial  
FEATURE: Description of Artificial Sequence: peptide  
US-09-580-110E-62

Query Match 89.6%; Score 43; DB 5; Length 8;  
Best Local Similarity 87.5%; Pred. No. 6e+05;  
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Oy 1 CGAVVPOC 8  
Db 1 CGAVVNC 8

RESULT 14  
US-09-580-110E-65  
Sequence 65, Application US/09580110E  
GENERAL INFORMATION:  
APPLICANT: MITTS, THOMAS F  
APPLICANT: SANDBERG, LAWRENCE B  
TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND USES OF SAME IN COMBINATION WITH SKIN  
FILE REFERENCE: 25812-13  
CURRENT APPLICATION NUMBER: US/09/580,110E  
CURRENT FILING DATE: 2000-05-30  
NUMBER OF SEQ ID NOS: 75  
SOFTWARE: PatentIn Version 3.1  
SEQ ID NO 65  
LENGTH: 8  
TYPE: PRT  
ORGANISM: Artificial  
FEATURE: Description of Artificial Sequence: peptide  
US-09-580-110E-65

Query Match 89.6%; Score 43; DB 5; Length 8;  
Best Local Similarity 87.5%; Pred. No. 6e+05;  
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Oy 1 CGAVVPOC 8  
Db 1 CGAVVNC 8

RESULT 15  
US-10-366-683-32643  
Sequence 32643, Application US/10366683  
GENERAL INFORMATION:  
APPLICANT: RUBENFELD, MARC J.  
APPLICANT: NOILING, JONK  
APPLICANT: DELONGHERY, CRAIG  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
FILE REFERENCE: PATHO3-04  
CURRENT APPLICATION NUMBER: US/10/366,683  
CURRENT FILING DATE: 2003-02-13  
PRIOR APPLICATION NUMBER: 09/252,991  
PRIOR FILING DATE: 1999-02-18  
NUMBER OF SEQ ID NOS: 33142  
SEQ ID NO 32643  
LENGTH: 607  
TYPE: PRT  
ORGANISM: Pseudomonas aeruginosa  
US-10-366-683-32643

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 Best Local Similarity 75.0%; Pred. No. 90;  
 Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;  
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 Db 41 CGALRPOC 48

Search completed: April 16, 2003, 09:50:50  
 Job time : 33 secs

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GenCore version 5.1.4 p5 4578  
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OM protein - protein search, using sw model

Run on: April 16, 2003, 09:32:41 ; Search time 188.522 Seconds  
(without alignments)  
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Title: US-09-580-156D-51

Perfect score: 48

Sequence: 1 CGAIVPQC 8

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Total number of hits satisfying chosen parameters: 4569144

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Database :

Pending\_Patents\_AA\_Main:\*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

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2	48	100.0	8	19	US-09-584-001-54
3	48	100.0	8	19	US-09-584-001C-51
4	48	100.0	8	19	US-09-584-001C-54
5	43	89.6	8	19	US-09-584-001-62
6	43	89.6	8	19	US-09-584-001-65

7	43	89.6	8	19	US-09-584-001C-62	Sequence 62, Appl
8	43	89.6	8	19	US-09-584-001C-65	Sequence 65, Appl
9	38	79.2	607	16	US-09-252-991A-32643	Sequence 32643, A
10	37	77.1	97	23	US-09-923-844B-4	Sequence 4, Appl1
11	37	77.1	1052	21	US-09-791-537-7352	Sequence 7352, Ap
12	37	77.1	1233	21	US-09-791-537-96539	Sequence 96539, A
13	37	77.1	390	27	US-60-361-742-1086	Sequence 1086, Ap
14	37	77.1	544	27	US-60-212-355-203	Sequence 203, App
15	36	75.0	34	27	US-60-160-202-2831	Sequence 2831, Ap
16	36	75.0	34	27	US-60-169-844-3026	Sequence 3026, Ap
17	36	75.0	58	27	US-60-178-307-2693	Sequence 2693, Ap
18	36	75.0	64	27	US-60-173-469-1413	Sequence 1413, Ap
19	36	75.0	69	27	US-60-177-571-4331	Sequence 4331, Ap
20	36	75.0	69	27	US-60-179-308-3102	Sequence 3102, Ap
21	36	75.0	106	14	US-09-087-031E-13	Sequence 13, Appl
22	36	75.0	122	25	US-10-108-260A-3577	Sequence 3577, Ap
23	36	75.0	125	21	US-09-760-446A-1816	Sequence 1816, Ap
24	36	75.0	125	26	US-10-206-664-1816	Sequence 1816, Ap
25	36	75.0	143	27	US-60-161-932-773	Sequence 773, App
26	36	75.0	160	16	US-09-270-767-34232	Sequence 34232, A
27	36	75.0	160	16	US-09-270-767-49449	Sequence 49449, A
28	36	75.0	160	16	US-09-270-849B-180416	Sequence 180416, A
29	36	75.0	197	17	US-09-308-140-12	Sequence 12, Appl
30	36	75.0	205	1	PCT-US97-18476-5	Sequence 5, Appl1
31	36	75.0	205	16	US-09-206-639-5	Sequence 5, Appl1
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35	36	75.0	205	27	US-60-200-786-21	Sequence 21, Appl
36	36	75.0	276	21	US-09-708-427-16485	Sequence 16485, A
37	36	75.0	283	17	US-09-798-051-7	Sequence 7, Appl1
38	36	75.0	332	21	US-09-308-140-7	Sequence 7, Appl1
39	36	75.0	332	21	US-09-791-537-427	Sequence 427, App
40	36	75.0	409	21	US-09-708-427-16484	Sequence 16484, A
41	36	75.0	426	21	US-09-708-427-16483	Sequence 16483, A
42	36	75.0	426	21	US-09-791-537-7224	Sequence 7224, App
43	36	75.0	486	27	US-60-167-216-350	Sequence 350, App
44	36	75.0	647	19	US-09-540-209B-7045	Sequence 7045, Ap
45	36	75.0	717	27	US-60-173-464-12032	Sequence 12032, A

## ALIGNMENTS

RESULT 1

US-09-584-001-51

: Sequence 51, Application US/09584001

: GENERAL INFORMATION:

: APPLICANT: SANDBERG, LAWRENCE

: APPLICANT: MITTS, THOMAS F.

: TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND METHODS OF USING SAME

: FILE REFERENCE: 99494US

: CURRENT APPLICATION NUMBER: US/09/584, 001

: CURRENT FILING DATE: 2000-05-30

: EARLIER APPLICATION NUMBER: 09/039, 308

: EARLIER FILING DATE: 1998-03-13

: EARLIER APPLICATION NUMBER: PCT/US99/05496

: EARLIER FILING DATE: 1999-03-12

: NUMBER OF SEQ ID NOS: 75

: SOFTWARE: Patent Ver. 2.1

: SEQ ID NO 51

: LENGTH: 8

: TYPE: PRT

: ORGANISM: Artificial Sequence

: FEATURE:

: OTHER INFORMATION: Description of Artificial Sequence: peptide

: FEATURE:

: NAME/KEY: DISULFID

: LOCATION: (1)..(8)

: OTHER INFORMATION: TERMINAL CYSTEINES FORM DISULFIDE BOND

US-09-584-001-51

Query Match 100.0%; Score 48; DB 19; Length 8;

Best Local Similarity 100.0%; Pred. No. 4.2e+06;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGAVVPOC 8  
Db 1 CGAVVPOC 8

## RESULT 2

US-09-584-001-54  
; Sequence 54, Application US/09584001  
; GENERAL INFORMATION:  
; APPLICANT: SANDBERG, LAWRENCE  
; APPLICANT: MITTS, THOMAS F.  
; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND METHODS OF USING SAME  
; FILE REFERENCE: 99494US  
; CURRENT FILING DATE: 2000-05-30  
; EARLIER FILING DATE: 09/039,308  
; EARLIER FILING DATE: 1998-03-13  
; EARLIER APPLICATION NUMBER: PCT/US99/05496  
; NUMBER OF SEQ ID NOS: 75  
; SOFTWARE: Patentln Ver. 2.1  
; SEQ ID NO 54  
; LENGTH: 8  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: peptide  
; NAME/KEY: METAL  
; LOCATION: (1)..(8)  
; OTHER INFORMATION: METAL IS COPPER, BINDING TO LOCATION 1 AND 8  
US-09-584-001-54

Query Match 100.0%; Score 48; DB 19; Length 8;

Best Local Similarity 100.0%; Pred. No. 4.2e+06;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGAVVPOC 8  
Db 1 CGAVVPOC 8

## RESULT 3

US-09-584-001C-51  
; Sequence 51, Application US/09584001C  
; GENERAL INFORMATION:  
; APPLICANT: Sandberg, Lawrence B.  
; APPLICANT: Mitts, Thomas F.  
; TITLE OF INVENTION: Elastin Peptide Analogs and Methods of Using Same  
; FILE REFERENCE: 25812-11  
; CURRENT FILING DATE: 2002-04-30  
; NUMBER OF SEQ ID NOS: 75  
; SOFTWARE: Patentln Ver. 2.1  
; SEQ ID NO 51  
; LENGTH: 8  
; TYPE: PRT  
; ORGANISM: mammalian  
US-09-584-001C-51

Query Match 100.0%; Score 48; DB 19; Length 8;

Best Local Similarity 100.0%; Pred. No. 4.2e+06;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGAVVPOC 8  
Db 1 CGAVVPOC 8

## RESULT 4

3

US-09-584-001C-54  
; Sequence 54, Application US/09584001C  
; GENERAL INFORMATION:  
; APPLICANT: Mitts, Thomas F.  
; APPLICANT: Sandberg, Lawrence B.  
; TITLE OF INVENTION: Elastin Peptide Analogs and Methods of Using Same  
; FILE REFERENCE: 25812-11  
; CURRENT FILING DATE: 2002-04-30  
; NUMBER OF SEQ ID NOS: 75  
; SOFTWARE: Patentln Ver. 2.1  
; SEQ ID NO 54  
; LENGTH: 8  
; TYPE: PRT  
; ORGANISM: mammalian  
US-09-584-001C-54

Query Match 100.0%; Score 48; DB 19; Length 8;  
Best Local Similarity 100.0%; Pred. No. 4.2e+06;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGAVVPOC 8  
Db 1 CGAVVPOC 8

## RESULT 5

US-09-584-001-62  
; Sequence 62, Application US/09584001  
; GENERAL INFORMATION:  
; APPLICANT: SANDBERG, LAWRENCE  
; APPLICANT: MITTS, THOMAS F.  
; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND METHODS OF USING SAME  
; FILE REFERENCE: 99494US  
; CURRENT FILING DATE: 2000-05-30  
; EARLIER FILING DATE: 09/039,308  
; EARLIER FILING DATE: 1998-03-13  
; EARLIER APPLICATION NUMBER: PCT/US99/05496  
; NUMBER OF SEQ ID NOS: 75  
; SOFTWARE: Patentln Ver. 2.1  
; SEQ ID NO 62  
; LENGTH: 8  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: peptide  
; NAME/KEY: DISULFID  
; LOCATION: (1)..(8)  
; OTHER INFORMATION: TERMINAL CYSTEINES FORM DISULFIDE BOND  
US-09-584-001-62

Query Match 89.6%; Score 43; DB 19; Length 8;

Best Local Similarity 87.5%; Pred. No. 4.2e+06;  
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CGAVVPOC 8  
Db 1 CGAVVPOC 8

## RESULT 6

US-09-584-001-65  
; Sequence 65, Application US/09584001  
; GENERAL INFORMATION:  
; APPLICANT: SANDBERG, LAWRENCE  
; APPLICANT: MITTS, THOMAS F.  
; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND METHODS OF USING SAME  
; FILE REFERENCE: 99494US  
; CURRENT FILING DATE: 2000-05-30



EARLIER APPLICATION NUMBER: 09/039,308  
 EARLIER FILING DATE: 1998-03-13  
 EARLIER APPLICATION NUMBER: PCT/US99/05496  
 EARLIER FILING DATE: 1999-03-12  
 NUMBER OF SEQ ID NOS: 75  
 SOFTWARE: PatentIn Ver. 2.1  
 SEQ ID NO 65  
 LENGTH: 8  
 TYPE: PRT  
 ORGANISM: Artificial Sequence  
 FEATURE:  
 OTHER INFORMATION: Description of Artificial Sequence: peptide  
 NAME/KEY: METAL  
 LOCATION: (1)..(8)  
 OTHER INFORMATION: METAL IS COPPER; BINDING TO LOCATION 1 AND 8  
 US-09-584-001-65

Query Match 89.6%; Score 43; DB 19; Length 8;  
 Best Local Similarity 87.5%; Pred. No. 4.2e+06;  
 Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 CGAVVPOC 8  
 Db 1 CGAVVPNC 8

RESULT 7  
 US-09-584-001C-62  
 Sequence 62, Application US/09584001C  
 GENERAL INFORMATION:  
 APPLICANT: Miltis, Thomas F.  
 APPLICANT: Sandberg, Lawrence B.  
 TITLE OF INVENTION: Elastin Peptide Analogs and Methods of Using Same  
 FILE REFERENCE: 25812-11  
 CURRENT APPLICATION NUMBER: US/09/584,001C  
 CURRENT FILING DATE: 2002-04-30  
 NUMBER OF SEQ ID NOS: 75  
 SOFTWARE: PatentIn Ver. 2.1  
 SEQ ID NO 62  
 LENGTH: 8  
 TYPE: PRT  
 ORGANISM: mammalian  
 US-09-584-001C-62

Query Match 89.6%; Score 43; DB 19; Length 8;  
 Best Local Similarity 87.5%; Pred. No. 4.2e+06;  
 Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 CGAVVPOC 8  
 Db 1 CGAVVPNC 8

RESULT 8  
 US-09-584-001C-65  
 Sequence 65, Application US/09584001C  
 GENERAL INFORMATION:  
 APPLICANT: Miltis, Thomas F.  
 APPLICANT: Sandberg, Lawrence B.  
 TITLE OF INVENTION: Elastin Peptide Analogs and Methods of Using Same  
 FILE REFERENCE: 25812-11  
 CURRENT APPLICATION NUMBER: US/09/584,001C  
 CURRENT FILING DATE: 2002-04-30  
 NUMBER OF SEQ ID NOS: 75  
 SOFTWARE: PatentIn Ver. 2.1  
 SEQ ID NO 65  
 LENGTH: 8  
 TYPE: PRT  
 ORGANISM: mammalian  
 US-09-584-001C-65

Query Match 89.6%; Score 43; DB 19; Length 8;

Best Local Similarity 87.5%; Pred. No. 4.2e+06;  
 Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 Qy 1 CGAVVPOC 8  
 Db 1 CGAVVPNC 8

RESULT 9  
 US-09-252-991A-32643  
 Sequence 32643, Application US/09252991A  
 GENERAL INFORMATION:  
 APPLICANT: Marc J. Rubenfield et al.  
 TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
 FILE REFERENCE: 107196.136  
 CURRENT APPLICATION NUMBER: US/09/252,991A  
 CURRENT FILING DATE: 1999-02-18  
 PRIOR APPLICATION NUMBER: US 60/074,788  
 PRIOR FILING DATE: 1998-02-18  
 PRIOR APPLICATION NUMBER: US 60/094,190  
 PRIOR FILING DATE: 1998-07-27  
 NUMBER OF SEQ ID NOS: 33142  
 SEQ ID NO 32643  
 LENGTH: 607  
 TYPE: PRT  
 ORGANISM: Pseudomonas aeruginosa  
 US-09-252-991A-32643

Query Match 79.2%; Score 38; DB 16; Length 607;  
 Best Local Similarity 75.0%; Pred. No. 6.5e+02;  
 Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 CGAVVPOC 8  
 Db 41 CGALRPOC 48

RESULT 10  
 US-09-923-844B-4  
 Sequence 4, Application US/09923844B  
 GENERAL INFORMATION:  
 APPLICANT: Pioneer Hi-Bred International, Inc.  
 APPLICANT: Bao, Zhongmeng  
 APPLICANT: Lu, Guohua  
 TITLE OF INVENTION: Sclerotinia-inducible Genes and  
 TITLE OF INVENTION: Promoters and Their Uses  
 FILE REFERENCE: 35718/234631  
 CURRENT APPLICATION NUMBER: US/09/923,844B  
 CURRENT FILING DATE: 2001-08-07  
 PRIOR APPLICATION NUMBER: US 60/224,603  
 PRIOR FILING DATE: 2000-08-11  
 NUMBER OF SEQ ID NOS: 20  
 SOFTWARE: FastSeq for Windows Version 4.0  
 SEQ ID NO 4  
 LENGTH: 97  
 TYPE: PRT  
 ORGANISM: Helianthus annuus  
 US-09-923-844B-4

Query Match 77.1%; Score 37; DB 23; Length 97;  
 Best Local Similarity 62.5%; Pred. No. 1.8e+02;  
 Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 1 CGAVVPOC 8  
 Db 90 CGVSIPOC 97

RESULT 11  
 US-09-791-537-7352  
 Sequence 7352, Application US/09791537  
 GENERAL INFORMATION:

```

; APPLICANT: Bionomix, Inc.
; APPLICANT: Debe, Derek
; APPLICANT: Danzer, Joseph
; TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMB
; FILE REFERENCE: 261/210
; CURRENT APPLICATION NUMBER: US/09/791,537
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 153055
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 7352
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Thermus thermophilus
US-09-791-537-7352

Query Match
Best Local Similarity 77.1%; Score 37; DB 21; Length 105;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 CGAVVPOC 8
Db 42 CGACVPAC 49

RESULT 12
US-09-791-537-96539
; Sequence 96539, Application US/09791537
; GENERAL INFORMATION:
; APPLICANT: Bionomix, Inc.
; APPLICANT: Debe, Derek
; APPLICANT: Danzer, Joseph
; TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMB
; FILE REFERENCE: 261/210
; CURRENT APPLICATION NUMBER: US/09/791,537
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 153055
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 96539
; LENGTH: 123
; TYPE: PRT
; ORGANISM: Deinococcus radiodurans
US-09-791-537-96539

Query Match
Best Local Similarity 77.1%; Score 37; DB 21; Length 123;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 CGAVVPOC 8
Db 88 CGACVPAC 95

RESULT 13
US-60-361-742-1086
; Sequence 1086, Application US/60361742
; GENERAL INFORMATION:
; APPLICANT: Fidelity Systems, Inc.
; APPLICANT: Slesarev, Alexei I.
; APPLICANT: Mezhevaya, Katja V.
; APPLICANT: Polushin, Nikolai N.
; APPLICANT: Shcherbinina, Olga V.
; APPLICANT: Shakhova, Vera V.
; APPLICANT: Mal'ikh, Andrei G.
; APPLICANT: Koz'yavkin, Sergei A.
; TITLE OF INVENTION: Fidelity Systems, Inc.
; FILE REFERENCE: New
; CURRENT APPLICATION NUMBER: US/60/361,742
; CURRENT FILING DATE: 2002-03-04
; NUMBER OF SEQ ID NOS: 1692
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1086
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; LENGTH: 390
; TYPE: PRT
; ORGANISM: Methanopyrus kandleri
US-60-361-742-1086

Query Match
Best Local Similarity 77.1%; Score 37; DB 27; Length 390;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 CGAVVPOC 8
Db 37 CGACVPAC 44

RESULT 14
US-60-212-356-203
; Sequence 203, Application US/60212356
; GENERAL INFORMATION:
; APPLICANT: Beasley, Ellen
; TITLE OF INVENTION: ISOLATED HUMAN PHOSPHOLIPASE PROTEINS,
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN PHOSPHOLIPASE
; FILE REFERENCE: CL000677
; CURRENT APPLICATION NUMBER: US/60/212,356
; CURRENT FILING DATE: 2000-06-19
; NUMBER OF SEQ ID NOS: 411
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 203
; LENGTH: 544
; TYPE: PRT
; ORGANISM: HUMAN
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (1)..(544)
; OTHER INFORMATION: Xaa = Any Amino Acid
US-60-212-356-203

Query Match
Best Local Similarity 77.1%; Score 37; DB 27; Length 544;
Matches 8; Conservative 0; Mismatches 0; Indels 2; Gaps 1;

OY 1 CG-AVVPOC 8
Db 143 CGAAHVPOC 152

RESULT 15
US-60-160-202-2831
; Sequence 2831, Application US/60160202
; GENERAL INFORMATION:
; APPLICANT: BONAZZI, VIVIEN
; TITLE OF INVENTION: ISOLATED HUMAN GPCR PROTEIN, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN GPCR PROTEINS AND USES THEREOF
; FILE REFERENCE: CL000114
; CURRENT APPLICATION NUMBER: US/60/160,202
; CURRENT FILING DATE: 1998-10-19
; NUMBER OF SEQ ID NOS: 4392
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2831
; LENGTH: 34
; TYPE: PRT
; ORGANISM: HUMAN
US-60-160-202-2831

Query Match
Best Local Similarity 75.0%; Score 36; DB 27; Length 34;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

OY 1 CGAVVPOC 8
Db 10 CGLVPRC 17
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Thu Apr 17 10:29:17 2003

us-09-580-156d-51.rapm

Page 5

Search completed: April 16, 2003, 09:49:13  
Job time : 189.522 secs

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GenCore version 5.1.4 p5 4578  
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OM protein - protein search, using sw model

Run on: April 16, 2003, 09:38:56 ; Search time 16 Seconds  
(without alignments)  
37.807 Million cell updates/sec

Title: US-09-580-156D-51

Perfect score: 48

Sequence: 1 CGAVPQC 8

Scoring table: BLOSUM62

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Searched: 28829 seqs, 7561385 residues

Total number of hits satisfying chosen parameters: 28829

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Database :

Listing first 45 summaries

Published Applications AA:\*  
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2: /cgn2\_6/ptodata/1/pubppa/PCRT\_NEW\_PUB pep:\*  
3: /cgn2\_6/ptodata/1/pubppa/US06\_NEW\_PUB pep:\*  
4: /cgn2\_6/ptodata/1/pubppa/US07\_NEW\_PUB pep:\*  
5: /cgn2\_6/ptodata/1/pubppa/US07\_PUBCOMB pep:\*  
6: /cgn2\_6/ptodata/1/pubppa/US07\_PUBCOMB pep:\*  
7: /cgn2\_6/ptodata/1/pubppa/US08\_PUBCOMB pep:\*  
8: /cgn2\_6/ptodata/1/pubppa/US08\_PUBCOMB pep:\*  
9: /cgn2\_6/ptodata/1/pubppa/US09\_NEW\_PUB pep:\*  
10: /cgn2\_6/ptodata/1/pubppa/US09\_PUBCOMB pep:\*  
11: /cgn2\_6/ptodata/1/pubppa/US10\_NEW\_PUB pep:\*  
12: /cgn2\_6/ptodata/1/pubppa/US10\_PUBCOMB pep:\*  
13: /cgn2\_6/ptodata/1/pubppa/US60\_NEW\_PUB pep:\*  
14: /cgn2\_6/ptodata/1/pubppa/US60\_PUBCOMB pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	37	77.1	97	9	US-09-923-844B-4
2	36	75.0	205	10	US-09-206-639-5
3	36	75.0	283	9	US-09-798-051-7
4	36	75.0	867	9	US-09-811-088-10
5	36	75.0	948	10	US-09-897-699-2
6	36	75.0	954	9	US-09-944-413-7
7	36	75.0	954	9	US-09-944-403-7
8	36	75.0	954	9	US-09-944-896-7
9	36	75.0	954	9	US-09-944-944-7
10	36	75.0	954	9	US-09-944-907-7
11	36	75.0	954	9	US-09-944-929-7
12	36	75.0	954	10	US-09-866-028-7
13	36	75.0	954	10	US-09-944-449-7
14	36	75.0	954	10	US-09-944-457-7
15	36	75.0	954	10	US-09-944-862-7
16	36	75.0	954	10	US-09-945-587-7
17	36	75.0	954	10	US-09-945-015-7
18	36	75.0	954	10	US-09-944-396-7
19	36	75.0	954	10	US-09-944-097-7

20	36	75.0	954	10	US-09-944-432-7	Sequence 7, Appli
21	36	75.0	954	10	US-09-943-762-7	Sequence 7, Appli
22	36	75.0	954	10	US-09-944-654-7	Sequence 7, Appli
23	36	75.0	954	10	US-09-943-851A-7	Sequence 7, Appli
24	36	75.0	955	9	US-10-044-716-8	Sequence 8, Appli
25	36	75.0	955	9	US-09-798-051-8	Sequence 8, Appli
26	33	68.8	62	10	US-09-764-877-1457	Sequence 1457, Ap
27	33	68.8	70	10	US-09-764-860-304	Sequence 304, App
28	33	68.8	111	12	US-10-001-843-207	Sequence 207, App
29	33	68.8	143	9	US-09-974-879-567	Sequence 567, App
30	33	68.8	184	9	US-10-102-627-44	Sequence 44, Appl
31	33	68.8	225	9	US-10-092-925-5	Sequence 5, Appli
32	33	68.8	584	9	US-10-050-786-7	Sequence 7, Appli
33	33	68.8	816	9	US-09-796-720B-2	Sequence 2, Appli
34	32	66.7	30	10	US-09-037-460-11	Sequence 11, Appl
35	32	66.7	135	10	US-09-925-301-935	Sequence 935, App
36	32	66.7	153	10	US-09-815-242-5043	Sequence 5043, Ap
37	32	66.7	217	10	US-09-815-242-5219	Sequence 5219, Ap
38	32	66.7	375	10	US-09-853-625B-13	Sequence 13, Appl
39	32	66.7	919	9	US-10-101-464A-642	Sequence 642, App
40	32	66.7	1133	9	US-10-101-464A-809	Sequence 809, App
41	31	64.6	92	10	US-09-925-301-1525	Sequence 1525, Ap
42	31	64.6	105	9	US-09-738-626-4725	Sequence 4725, Ap
43	31	64.6	160	9	US-09-771-209-36	Sequence 36, Appl
44	31	64.6	171	9	US-10-101-464A-500	Sequence 500, App
45	31	64.6	258	9	US-10-001-054-52	Sequence 52, Appl

#### ALIGNMENTS

RESULT 1  
US-09-923-844B-4  
Sequence 4, Application US/09923844B  
Patent No. US20020166143A1  
GENERAL INFORMATION:  
APPLICANT: Pioneer Hi-Bred International, Inc.  
APPLICANT: Bao, Zhongmeng  
APPLICANT: Lu, Guhua  
TITLE OF INVENTION: Sclerotinia-inducible Genes and  
FILE REFERENCE: 35718/234631  
CURRENT APPLICATION NUMBER: US/09/923, 844B  
CURRENT FILING DATE: 2001-08-07  
PRIOR APPLICATION NUMBER: US 60/224, 603  
PRIOR FILING DATE: 2000-08-11  
NUMBER OF SEQ ID NOS: 20  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 4  
LENGTH: 97  
TYPE: PRT  
ORGANISM: Helianthus annuus  
US-09-923-844B-4

Query Match 77.1%; Score 37; DB 9; Length 97;  
Best Local Similarity 62.5%; Pred. No. 11;  
Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

CY 1 CGAVPQC 8  
DB 90 CGAVPQC 97

RESULT 2  
US-09-206-639-5  
Sequence 5, Application US/09206639  
Patent No. US2002003477A1  
GENERAL INFORMATION:  
APPLICANT: Hillman, Jennifer L.  
Goli, Surya K.  
TITLE OF INVENTION: A NOVEL REGULATOR OF CELL SIGNALING  
NUMBER OF SEQUENCES: 5  
CORRESPONDENCE ADDRESS:

ADDRESSEE: INCYTE PHARMACEUTICALS, INC.  
STREET: 3174 Porter Drive  
CITY: Palo Alto  
STATE: CA  
COUNTRY: US  
ZIP: 94304  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/206,639  
FILING DATE: 07-Dec-1998  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/748,463  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Billings, Lucy J.  
REGISTRATION NUMBER: 36,749  
REFERENCE/DOCKET NUMBER: PF-0157 US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415-855-0555  
TELEFAX: 415-845-4166  
TELEX: <Unknown>  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 205 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
IMMEDIATE SOURCE:  
LIBRARY: GenBank  
CLONE: 1216373  
SEQUENCE DESCRIPTION: SEQ ID NO: 5:  
US-09-206-639-5

Query Match 75.0%; Score 36; DB 10; Length 205;  
Best Local Similarity 62.5%; Pred. No. 33;  
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

OY 1 CGAVVPOC 8  
| : : : :  
Db 197 CASLVPQC 204

RESULT 3  
US-09-798-051-7  
; Sequence 7, Application US/09798051  
; Publication No. US20030008961A1  
; GENERAL INFORMATION:  
; APPLICANT: Zhang, Ke  
; APPLICANT: Cam, Linh  
; APPLICANT: Nakayama, Naoki  
; TITLE OF INVENTION: Chordin-Like-2 Molecules and Uses Thereof  
; FILE REFERENCE: 01-005  
; CURRENT APPLICATION NUMBER: US/09/798,051  
; CURRENT FILING DATE: 2001-03-05  
; NUMBER OF SEQ ID NOS: 21  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 7  
; LENGTH: 283  
; TYPE: PRT  
; ORGANISM: Mus musculus  
US-09-798-051-7

Query Match 75.0%; Score 36; DB 9; Length 283;  
Best Local Similarity 75.0%; Pred. No. 44;  
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 CGAVVPOC 8  
| : : : :  
Db 197 CASLVPQC 204

Db 232 CGAVVPHC 239

RESULT 4  
US-09-811-088-10  
; Sequence 10, Application US/09811088  
; Patent No. US2002016046A1  
; GENERAL INFORMATION:  
; APPLICANT: Holtzman, Douglas A.  
; APPLICANT: Gearing, David P.  
; APPLICANT: Pan, Yang  
; TITLE OF INVENTION: NOVEL GENES ENCODING PROTEINS HAVING  
; TITLE OF INVENTION: PROGNASTIC, DIAGNOSTIC, PREVENTIVE, THERAPEUTIC AND OTHER  
; TITLE OF INVENTION: USES  
; FILE REFERENCE: 07334-32401  
; CURRENT APPLICATION NUMBER: US/09/811,088  
; CURRENT FILING DATE: 2001-03-16  
; PRIOR APPLICATION NUMBER: US 09/712,726  
; PRIOR FILING DATE: 2000-11-14  
; PRIOR APPLICATION NUMBER: US 08/820,364  
; PRIOR FILING DATE: 1997-03-12  
; PRIOR APPLICATION NUMBER: US 09/757,421  
; PRIOR FILING DATE: 2001-01-10  
; PRIOR APPLICATION NUMBER: US 08/843,652  
; PRIOR FILING DATE: 1997-04-16  
; PRIOR APPLICATION NUMBER: US 08/843,651  
; PRIOR FILING DATE: 1997-04-16  
; PRIOR APPLICATION NUMBER: US 09/354,809  
; PRIOR FILING DATE: 1999-07-16  
; PRIOR APPLICATION NUMBER: US 08/938,365  
; PRIOR FILING DATE: 1997-09-26  
; NUMBER OF SEQ ID NOS: 24  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 10  
; LENGTH: 867  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-811-088-10

Query Match 75.0%; Score 36; DB 9; Length 867;  
Best Local Similarity 75.0%; Pred. No. 1.2e+02;  
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 CGAVVPOC 8  
| : : : :  
Db 814 CGAVVPHC 821

RESULT 5  
US-09-897-699-2  
; Sequence 2, Application US/09897699  
; Patent No. US2002003846A1  
; GENERAL INFORMATION:  
; APPLICANT: Leviten, Michael W.  
; TITLE OF INVENTION: TRANSGENIC MICE CONTAINING CHORDIN GENE  
; TITLE OF INVENTION: DISRUPTIONS  
; FILE REFERENCE: R-269  
; CURRENT APPLICATION NUMBER: US/09/897,699  
; CURRENT FILING DATE: 2001-06-29  
; PRIOR APPLICATION NUMBER: US 60/215,179  
; PRIOR FILING DATE: 2000-06-29  
; NUMBER OF SEQ ID NOS: 4  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 2  
; LENGTH: 948  
; TYPE: PRT  
; ORGANISM: Mus musculus  
US-09-897-699-2

Query Match 75.0%; Score 36; DB 10; Length 948;  
Best Local Similarity 75.0%; Pred. No. 1.3e+02;  
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 CGAVVPOC 8  
Db 897 CGAGVPHC 904

RESULT 6

US-09-944-413-7  
Sequence 7, Application US/09944413  
Patent No. US20020156004A1  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin  
APPLICANT: Botstein, David  
APPLICANT: Batton, Dan  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Filvaroff, Ellen  
APPLICANT: Gerlitsen, Mary  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul  
APPLICANT: Grimaldi, Christopher  
APPLICANT: Gurney, Austin  
APPLICANT: Hillan, Kenneth  
APPLICANT: Kijavlin, Ivar  
APPLICANT: Napier, Mary  
APPLICANT: Roy, Margaret  
APPLICANT: Tumas, Daniel  
APPLICANT: Wood, William  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P254P1C1  
CURRENT APPLICATION NUMBER: US/09/944,413  
CURRENT FILING DATE: 2001-09-26  
PRIOR APPLICATION NUMBER: 09/866,028  
PRIOR FILING DATE: 2001-05-25  
PRIOR APPLICATION NUMBER: 60/067,411  
PRIOR FILING DATE: December 3, 1997  
PRIOR APPLICATION NUMBER: 60/069,334  
PRIOR FILING DATE: December 11, 1997  
PRIOR APPLICATION NUMBER: 60/069,335  
PRIOR FILING DATE: December 11, 1997  
PRIOR APPLICATION NUMBER: 60/069,278  
PRIOR FILING DATE: December 11, 1997  
PRIOR APPLICATION NUMBER: 60/069,425  
PRIOR FILING DATE: December 12, 1997  
PRIOR APPLICATION NUMBER: 60/069,596  
PRIOR FILING DATE: December 16, 1997  
PRIOR APPLICATION NUMBER: 60/069,594  
PRIOR FILING DATE: December 16, 1997  
PRIOR APPLICATION NUMBER: 60/069,702  
PRIOR FILING DATE: December 16, 1997  
PRIOR APPLICATION NUMBER: 60/069,870  
PRIOR FILING DATE: December 17, 1997  
PRIOR APPLICATION NUMBER: 60/069,873  
PRIOR FILING DATE: December 17, 1997  
PRIOR APPLICATION NUMBER: 60/068,017  
PRIOR FILING DATE: December 18, 1997  
PRIOR APPLICATION NUMBER: 60/070,440  
PRIOR FILING DATE: January 5, 1998  
PRIOR APPLICATION NUMBER: 60/074,086  
PRIOR FILING DATE: February 9, 1998  
PRIOR APPLICATION NUMBER: 60/074,092  
PRIOR FILING DATE: February 9, 1998  
PRIOR APPLICATION NUMBER: 60/075,945  
PRIOR FILING DATE: February 25, 1998  
PRIOR APPLICATION NUMBER: 60/112,850  
PRIOR FILING DATE: December 16, 1998  
PRIOR APPLICATION NUMBER: 60/113,296  
PRIOR FILING DATE: December 22, 1998  
PRIOR APPLICATION NUMBER: 60/146,222  
PRIOR FILING DATE: July 28, 1999  
PRIOR APPLICATION NUMBER: PCT/US98/19330  
PRIOR FILING DATE: September 16, 1998  
PRIOR APPLICATION NUMBER: PCT/US98/25108  
PRIOR FILING DATE: December 1, 1998

PRIOR APPLICATION NUMBER: 09/216,021  
PRIOR FILING DATE: December 16, 1998  
PRIOR APPLICATION NUMBER: 09/218,517  
PRIOR FILING DATE: December 22, 1998  
PRIOR APPLICATION NUMBER: 09/254,311  
PRIOR FILING DATE: March 3, 1999  
PRIOR APPLICATION NUMBER: PCT/US99/12252  
PRIOR FILING DATE: June 22, 1999  
PRIOR APPLICATION NUMBER: PCT/US99/21090  
PRIOR FILING DATE: September 15, 1999  
PRIOR APPLICATION NUMBER: PCT/US99/28409  
PRIOR FILING DATE: No. US20020156004A1 member 30, 1999  
PRIOR APPLICATION NUMBER: PCT/US99/28313  
PRIOR FILING DATE: No. US20020156004A1 member 30, 1999  
PRIOR APPLICATION NUMBER: PCT/US99/28301  
PRIOR FILING DATE: December 1, 1999  
PRIOR APPLICATION NUMBER: PCT/US99/30095  
PRIOR FILING DATE: December 16, 1999  
PRIOR APPLICATION NUMBER: PCT/US00/03565  
PRIOR FILING DATE: February 11, 2000  
PRIOR APPLICATION NUMBER: PCT/US00/04414  
PRIOR FILING DATE: February 22, 2000  
PRIOR APPLICATION NUMBER: PCT/US00/05841  
PRIOR FILING DATE: March 2, 2000  
PRIOR APPLICATION NUMBER: PCT/US00/08439  
PRIOR FILING DATE: March 30, 2000  
PRIOR APPLICATION NUMBER: PCT/US00/14042  
PRIOR FILING DATE: May 22, 2000  
PRIOR APPLICATION NUMBER: PCT/US00/20710  
PRIOR FILING DATE: July 28, 2000  
PRIOR APPLICATION NUMBER: PCT/US00/32678  
PRIOR FILING DATE: December 1, 2000  
PRIOR APPLICATION NUMBER: PCT/US01/06520  
PRIOR FILING DATE: February 28, 2001  
NUMBER OF SEQ ID NOS: 120  
SEQ ID NO 7  
LENGTH: 954  
TYPE: PRT  
ORGANISM: Homo Saplen  
US-09-944-413-7

Query Match 75.0%; Score 36; DB 9; Length 954;  
Best local Similarity 75.0%; Pred. No. 1.3e+02;  
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 CGAVVPOC 8  
Db 902 CGAGVPHC 909

RESULT 7  
US-09-944-403-7  
Sequence 7, Application US/09944403  
Patent No. US20020165143A1  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin  
APPLICANT: Botstein, David  
APPLICANT: Batton, Dan  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Filvaroff, Ellen  
APPLICANT: Gerlitsen, Mary  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul  
APPLICANT: Grimaldi, Christopher  
APPLICANT: Gurney, Austin  
APPLICANT: Hillan, Kenneth  
APPLICANT: Kijavlin, Ivar  
APPLICANT: Napier, Mary  
APPLICANT: Roy, Margaret  
APPLICANT: Tumas, Daniel  
APPLICANT: Wood, William  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
ACIDS ENCODING THE SAME

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FILE REFERENCE: P2548P1C1
CURRENT APPLICATION NUMBER: US/09/944,403
PRIOR FILING DATE: 2001-09-26
PRIOR APPLICATION NUMBER: 09/866,028
PRIOR FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: 60/067,411
PRIOR FILING DATE: December 3, 1997
PRIOR APPLICATION NUMBER: 60/069,334
PRIOR FILING DATE: December 11, 1997
PRIOR APPLICATION NUMBER: 60/069,335
PRIOR FILING DATE: December 11, 1997
PRIOR APPLICATION NUMBER: 60/069,278
PRIOR FILING DATE: December 11, 1997
PRIOR APPLICATION NUMBER: 60/069,425
PRIOR FILING DATE: December 12, 1997
PRIOR APPLICATION NUMBER: 60/069,696
PRIOR FILING DATE: December 16, 1997
PRIOR APPLICATION NUMBER: 60/069,694
PRIOR FILING DATE: December 16, 1997
PRIOR APPLICATION NUMBER: 60/069,702
PRIOR FILING DATE: December 16, 1997
PRIOR APPLICATION NUMBER: 60/069,870
PRIOR FILING DATE: December 17, 1997
PRIOR APPLICATION NUMBER: 60/069,873
PRIOR FILING DATE: December 17, 1997
PRIOR APPLICATION NUMBER: 60/068,017
PRIOR FILING DATE: December 18, 1997
PRIOR APPLICATION NUMBER: 60/070,440
PRIOR FILING DATE: January 5, 1998
PRIOR APPLICATION NUMBER: 60/074,086
PRIOR FILING DATE: February 9, 1998
PRIOR APPLICATION NUMBER: 60/074,092
PRIOR FILING DATE: February 9, 1998
PRIOR APPLICATION NUMBER: 60/075,945
PRIOR FILING DATE: February 25, 1998
PRIOR APPLICATION NUMBER: 60/112,850
PRIOR FILING DATE: December 16, 1998
PRIOR APPLICATION NUMBER: 60/113,286
PRIOR FILING DATE: December 22, 1998
PRIOR APPLICATION NUMBER: 60/146,222
PRIOR FILING DATE: July 28, 1999
PRIOR APPLICATION NUMBER: PCT/US98/19330
PRIOR FILING DATE: September 16, 1998
PRIOR APPLICATION NUMBER: PCT/US98/25108
PRIOR FILING DATE: December 1, 1998
PRIOR APPLICATION NUMBER: 09/218,021
PRIOR FILING DATE: December 16, 1998
PRIOR APPLICATION NUMBER: 09/218,517
PRIOR FILING DATE: December 22, 1998
PRIOR APPLICATION NUMBER: 09/254,311
PRIOR FILING DATE: March 3, 1999
PRIOR APPLICATION NUMBER: PCT/US99/12252
PRIOR FILING DATE: June 22, 1999
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: September 15, 1999
PRIOR APPLICATION NUMBER: PCT/US99/28409
PRIOR FILING DATE: No. US2002015143A1 December 30, 1999
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: No. US2002015143A1 December 30, 1999
PRIOR APPLICATION NUMBER: PCT/US99/2830F
PRIOR FILING DATE: December 1, 1999
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: December 16, 1999
PRIOR APPLICATION NUMBER: PCT/US00/03565
PRIOR FILING DATE: February 11, 2000
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: February 22, 2000
PRIOR APPLICATION NUMBER: PCT/US00/05841
PRIOR FILING DATE: March 2, 2000
PRIOR APPLICATION NUMBER: PCT/US00/08439
PRIOR FILING DATE: March 30, 2000
PRIOR APPLICATION NUMBER: PCT/US00/14042
PRIOR FILING DATE: May 22, 2000

PRIOR APPLICATION NUMBER: PCT/US00/20710
PRIOR FILING DATE: July 28, 2000
PRIOR APPLICATION NUMBER: PCT/US00/32678
PRIOR FILING DATE: December 1, 2000
PRIOR APPLICATION NUMBER: PCT/US01/06520
PRIOR FILING DATE: February 28, 2001
NUMBER OF SEQ ID NOS: 120
SEQ ID NO 7
LENGTH: 954
TYPE: PRT
ORGANISM: Homo Sapien
US-09-944-403-7

Query Match 75.0%; Score 36; DB 9; Length 954;
Best Local Similarity 75.0%; Pred. No. 1.3e+02;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 CGAVVPOC 8
DB* 902 CGAGVPHC 909

RESULT 8
US-09-944-896-7
Sequence 7, Application US/09944896
Patent No. US20020168715A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin
APPLICANT: Botstein, David
APPLICANT: Batson, Dan
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Gerltsen, Mary
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul
APPLICANT: Grimaldi, Christopher
APPLICANT: Gunney, Austin
APPLICANT: Hillan, Kenneth
APPLICANT: Kijavlin, Ivar
APPLICANT: Napier, Mary
APPLICANT: Roy, Margaret
APPLICANT: Tumas, Daniel
APPLICANT: Wood, William
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
ACIDS ENCODING THE SAME
FILE REFERENCE: P2548P1C1
CURRENT APPLICATION NUMBER: US/09/944,896
PRIOR APPLICATION NUMBER: 09/866,028
PRIOR FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: 60/069,334
PRIOR FILING DATE: December 11, 1997
PRIOR APPLICATION NUMBER: 60/069,335
PRIOR FILING DATE: December 11, 1997
PRIOR APPLICATION NUMBER: 60/069,278
PRIOR FILING DATE: December 11, 1997
PRIOR APPLICATION NUMBER: 60/069,425
PRIOR FILING DATE: December 12, 1997
PRIOR APPLICATION NUMBER: 60/069,696
PRIOR FILING DATE: December 16, 1997
PRIOR APPLICATION NUMBER: 60/069,694
PRIOR FILING DATE: December 16, 1997
PRIOR APPLICATION NUMBER: 60/069,702
PRIOR FILING DATE: December 16, 1997
PRIOR APPLICATION NUMBER: 60/069,870
PRIOR FILING DATE: December 17, 1997
PRIOR APPLICATION NUMBER: 60/069,873
PRIOR FILING DATE: December 17, 1997
PRIOR APPLICATION NUMBER: 60/068,017
PRIOR FILING DATE: December 18, 1997
PRIOR APPLICATION NUMBER: 60/070,440
PRIOR FILING DATE: January 5, 1998
PRIOR APPLICATION NUMBER: 60/074,086
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; PRIOR FILING DATE: February 9, 1998
; PRIOR APPLICATION NUMBER: 60/074,092
; PRIOR FILING DATE: February 9, 1998
; PRIOR APPLICATION NUMBER: 60/075,945
; PRIOR FILING DATE: February 25, 1998
; PRIOR APPLICATION NUMBER: 60/112,850
; PRIOR FILING DATE: December 16, 1998
; PRIOR APPLICATION NUMBER: 60/113,296
; PRIOR FILING DATE: December 22, 1998
; PRIOR APPLICATION NUMBER: 60/146,222
; PRIOR FILING DATE: July 28, 1999
; PRIOR APPLICATION NUMBER: PCT/US98/19330
; PRIOR FILING DATE: September 16, 1998
; PRIOR APPLICATION NUMBER: PCT/US98/25108
; PRIOR FILING DATE: December 1, 1998
; PRIOR APPLICATION NUMBER: 09/216,021
; PRIOR FILING DATE: December 16, 1998
; PRIOR APPLICATION NUMBER: 09/218,517
; PRIOR FILING DATE: December 22, 1998
; PRIOR APPLICATION NUMBER: 09/254,311
; PRIOR FILING DATE: March 3, 1999
; PRIOR APPLICATION NUMBER: PCT/US99/12252
; PRIOR FILING DATE: June 22, 1999
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: September 15, 1999
; PRIOR APPLICATION NUMBER: PCT/US99/28409
; PRIOR FILING DATE: No. US20020168715A1ember 30, 1999
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: No. US20020168715A1ember 30, 1999
; PRIOR APPLICATION NUMBER: PCT/US99/28301
; PRIOR FILING DATE: December 1, 1999
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: December 16, 1999
; PRIOR APPLICATION NUMBER: PCT/US00/03565
; PRIOR FILING DATE: February 11, 2000
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: February 22, 2000
; PRIOR APPLICATION NUMBER: PCT/US00/05841
; PRIOR FILING DATE: March 2, 2000
; PRIOR APPLICATION NUMBER: PCT/US00/08439
; PRIOR FILING DATE: March 30, 2000
; PRIOR APPLICATION NUMBER: PCT/US00/14042
; PRIOR FILING DATE: May 22, 2000
; PRIOR APPLICATION NUMBER: PCT/US00/20710
; PRIOR FILING DATE: July 28, 2000
; PRIOR APPLICATION NUMBER: PCT/US00/32678
; PRIOR FILING DATE: December 1, 2000
; PRIOR APPLICATION NUMBER: PCT/US01/06520
; PRIOR FILING DATE: February 28, 2001
; NUMBER OF SEQ ID NOS: 120
; SEQ ID NO 7
; LENGTH: 954
; TYPE: PRT
; ORGANISM: Homo Sapien
US-09-944-896-7
Query Match          75.0%; Score 36; DB 9; Length 954;
Best Local Similarity 75.0%; Pred. No. 1.3e+02;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1 CGAVVPOC 8
Db 902 CGAGVPHC 909
RESULT 9
US-09-944-944-7
; Sequence 7, Application US/09944944
; Patent No. US20020173463A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin
; APPLICANT: Botstein, David
; APPLICANT: Eaton, Dan

```

```

; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gerlitsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul
; APPLICANT: Grimaldi, Christopher
; APPLICANT: Gurney, Austin
; APPLICANT: Hillan, Kenneth
; APPLICANT: Kijavini, Ivar
; APPLICANT: Napier, Mary
; APPLICANT: Roy, Margaret
; APPLICANT: Tamas, Daniel
; APPLICANT: Wood, William
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P2548P1C1
; CURRENT APPLICATION NUMBER: US/09/944,944
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 09/866,028
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/067,411
; PRIOR FILING DATE: December 3, 1997
; PRIOR APPLICATION NUMBER: 60/069,334
; PRIOR FILING DATE: December 11, 1997
; PRIOR APPLICATION NUMBER: 60/069,335
; PRIOR FILING DATE: December 11, 1997
; PRIOR APPLICATION NUMBER: 60/069,378
; PRIOR FILING DATE: December 11, 1997
; PRIOR APPLICATION NUMBER: 60/069,425
; PRIOR FILING DATE: December 12, 1997
; PRIOR APPLICATION NUMBER: 60/069,696
; PRIOR FILING DATE: December 16, 1997
; PRIOR APPLICATION NUMBER: 60/069,694
; PRIOR FILING DATE: December 16, 1997
; PRIOR APPLICATION NUMBER: 60/069,702
; PRIOR FILING DATE: December 16, 1997
; PRIOR APPLICATION NUMBER: 60/069,870
; PRIOR FILING DATE: December 17, 1997
; PRIOR APPLICATION NUMBER: 60/069,873
; PRIOR FILING DATE: December 17, 1997
; PRIOR APPLICATION NUMBER: 60/068,017
; PRIOR FILING DATE: December 18, 1997
; PRIOR APPLICATION NUMBER: 60/070,440
; PRIOR FILING DATE: January 5, 1998
; PRIOR APPLICATION NUMBER: 60/074,086
; PRIOR FILING DATE: February 9, 1998
; PRIOR APPLICATION NUMBER: 60/074,092
; PRIOR FILING DATE: February 9, 1998
; PRIOR APPLICATION NUMBER: 60/075,945
; PRIOR FILING DATE: February 25, 1998
; PRIOR APPLICATION NUMBER: 60/112,850
; PRIOR FILING DATE: December 16, 1998
; PRIOR APPLICATION NUMBER: 60/113,296
; PRIOR FILING DATE: December 22, 1998
; PRIOR APPLICATION NUMBER: 60/146,222
; PRIOR FILING DATE: July 28, 1999
; PRIOR APPLICATION NUMBER: PCT/US98/19330
; PRIOR FILING DATE: September 16, 1998
; PRIOR APPLICATION NUMBER: PCT/US98/25108
; PRIOR FILING DATE: December 1, 1998
; PRIOR APPLICATION NUMBER: 09/216,021
; PRIOR FILING DATE: December 16, 1998
; PRIOR APPLICATION NUMBER: 09/218,517
; PRIOR FILING DATE: December 22, 1998
; PRIOR APPLICATION NUMBER: 09/254,311
; PRIOR FILING DATE: March 3, 1999
; PRIOR APPLICATION NUMBER: PCT/US99/12252
; PRIOR FILING DATE: June 22, 1999
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: September 15, 1999
; PRIOR APPLICATION NUMBER: PCT/US99/28409
; PRIOR FILING DATE: No. US20020173463A1ember 30, 1999
; PRIOR APPLICATION NUMBER: PCT/US99/28313

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PRIOR FILING DATE: No. US20020173463A1ember 30, 1999  
PRIOR APPLICATION NUMBER: PCT/US99/28301  
PRIOR FILING DATE: December 1, 1999  
PRIOR APPLICATION NUMBER: PCT/US99/30095  
PRIOR FILING DATE: December 16, 1999  
PRIOR APPLICATION NUMBER: PCT/US00/03565  
PRIOR FILING DATE: February 11, 2000  
PRIOR APPLICATION NUMBER: PCT/US00/04414  
PRIOR FILING DATE: February 22, 2000  
PRIOR APPLICATION NUMBER: PCT/US00/05841  
PRIOR FILING DATE: March 2, 2000  
PRIOR APPLICATION NUMBER: PCT/US00/08439  
PRIOR FILING DATE: March 30, 2000  
PRIOR APPLICATION NUMBER: PCT/US00/14042  
PRIOR FILING DATE: May 22, 2000  
PRIOR APPLICATION NUMBER: PCT/US00/20710  
PRIOR FILING DATE: July 28, 2000  
PRIOR APPLICATION NUMBER: PCT/US00/32678  
PRIOR FILING DATE: December 1, 2000  
PRIOR APPLICATION NUMBER: PCT/US01/06526  
PRIOR FILING DATE: February 28, 2001  
NUMBER OF SEQ ID NOS: 120  
SEQ ID NO 7  
LENGTH: 954  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-09-944-944-7

Query Match 75.0%; Score 36; DB 9; Length 954;  
Best Local Similarity 75.0%; Pred. No. 1.3e+02;  
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 CGAVVPOC 8  
Db 902 CGAGVPHC 909

RESULT 10  
US-09-944-907-7  
Sequence 7, Application US/09944907  
Publication No. US20020198147A1  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin  
APPLICANT: Botstein, David  
APPLICANT: Eaton, Dan  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Filvaroff, Ellen  
APPLICANT: Gerritsen, Mary  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul  
APPLICANT: Grimaldi, Christopher  
APPLICANT: Gurney, Austin  
APPLICANT: Hillan, Kenneth  
APPLICANT: Kijavlin, Ivar  
APPLICANT: Napier, Mary  
APPLICANT: Roy, Margaret  
APPLICANT: Tumas, Daniel  
APPLICANT: Wood, William  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P2548P1C1  
CURRENT APPLICATION NUMBER: US/09/944,907  
PRIOR FILING DATE: 2001-08-31  
PRIOR APPLICATION NUMBER: 09/866,028  
PRIOR FILING DATE: 2001-05-25  
NUMBER OF SEQ ID NOS: 120  
SEQ ID NO 7  
LENGTH: 954  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-09-944-907-7

Query Match 75.0%; Score 36; DB 9; Length 954;  
US-09-944-907-7

Best Local Similarity 75.0%; Pred. No. 1.3e+02;  
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;  
Qy 1 CGAVVPOC 8  
Db 902 CGAGVPHC 909

RESULT 11  
US-09-944-929-7  
Sequence 7, Application US/09944929  
Publication No. US20020197612A1  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin  
APPLICANT: Botstein, David  
APPLICANT: Eaton, Dan  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Filvaroff, Ellen  
APPLICANT: Gerritsen, Mary  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul  
APPLICANT: Grimaldi, Christopher  
APPLICANT: Gurney, Austin  
APPLICANT: Hillan, Kenneth  
APPLICANT: Kijavlin, Ivar  
APPLICANT: Napier, Mary  
APPLICANT: Roy, Margaret  
APPLICANT: Tumas, Daniel  
APPLICANT: Wood, William  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P2548P1C1  
CURRENT APPLICATION NUMBER: US/09/944,929  
PRIOR FILING DATE: 2001-08-31  
PRIOR APPLICATION NUMBER: 09/866,028  
PRIOR FILING DATE: 2001-05-25  
NUMBER OF SEQ ID NOS: 120  
SEQ ID NO 7  
LENGTH: 954  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-09-944-929-7

Query Match 75.0%; Score 36; DB 9; Length 954;  
Best Local Similarity 75.0%; Pred. No. 1.3e+02;  
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 CGAVVPOC 8  
Db 902 CGAGVPHC 909

RESULT 12  
US-09-866-028-7  
Sequence 7, Application US/09866028  
Patent No. US20020058309A1  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin  
APPLICANT: Botstein, David  
APPLICANT: Eaton, Dan  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Filvaroff, Ellen  
APPLICANT: Gerritsen, Mary  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul  
APPLICANT: Grimaldi, Christopher  
APPLICANT: Gurney, Austin  
APPLICANT: Hillan, Kenneth  
APPLICANT: Kijavlin, Ivar  
APPLICANT: Napier, Mary  
APPLICANT: Roy, Margaret  
APPLICANT: Tumas, Daniel  
APPLICANT: Wood, William

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; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P2548P1C1
; CURRENT APPLICATION NUMBER: US/09/866,028
; PRIOR APPLICATION DATE: 2001-05-25
; PRIOR APPLICATION data removed - consult PALM or file wrapper
; SEQ ID NO 7
; LENGTH: 954
; TYPE: PRT
; ORGANISM: Homo Sapien
US-09-866-028-7

Query Match          75.0%; Score 36; DB 10; Length 954;
Best Local Similarity 75.0%; Pred. No. 1.3e+02;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      1 CGAVVPOC 8
Db      902 CGAGVPHC 909

RESULT 13
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; Sequence 7, Application US/09944449
; Patent No. US20020102647A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin
; APPLICANT: Botstein, David
; APPLICANT: Baton, Dan
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gerltsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul
; APPLICANT: Guimaldi, Christopher
; APPLICANT: Gunney, Austin
; APPLICANT: Hillan, Kenneth
; APPLICANT: Kijaviv, Ivar
; APPLICANT: Napier, Mary
; APPLICANT: Roy, Margaret
; APPLICANT: Tuma, Daniel
; APPLICANT: Wood, William
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P2548P1C1
; CURRENT APPLICATION NUMBER: US/09/944,449
; CURRENT FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 09/866,028
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/067,411
; PRIOR FILING DATE: December 3, 1997
; PRIOR APPLICATION NUMBER: 60/069,334
; PRIOR FILING DATE: December 11, 1997
; PRIOR APPLICATION NUMBER: 60/069,335
; PRIOR FILING DATE: December 11, 1997
; PRIOR APPLICATION NUMBER: 60/069,278
; PRIOR FILING DATE: December 11, 1997
; PRIOR APPLICATION NUMBER: 60/069,425
; PRIOR FILING DATE: December 12, 1997
; PRIOR APPLICATION NUMBER: 60/069,696
; PRIOR FILING DATE: December 16, 1997
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; PRIOR FILING DATE: December 16, 1997
; PRIOR APPLICATION NUMBER: 60/069,702
; PRIOR FILING DATE: December 16, 1997
; PRIOR APPLICATION NUMBER: 60/069,870
; PRIOR FILING DATE: December 17, 1997
; PRIOR APPLICATION NUMBER: 60/069,873
; PRIOR FILING DATE: December 17, 1997
; PRIOR APPLICATION NUMBER: 60/068,873
; PRIOR FILING DATE: December 18, 1997
; PRIOR APPLICATION NUMBER: 60/070,440
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; PRIOR FILING DATE: January 5, 1998
; PRIOR APPLICATION NUMBER: 60/074,086
; PRIOR FILING DATE: February 9, 1998
; PRIOR APPLICATION NUMBER: 60/074,092
; PRIOR FILING DATE: February 9, 1998
; PRIOR APPLICATION NUMBER: 60/075,945
; PRIOR FILING DATE: February 25, 1998
; PRIOR APPLICATION NUMBER: 60/112,850
; PRIOR FILING DATE: December 16, 1998
; PRIOR APPLICATION NUMBER: 60/113,296
; PRIOR FILING DATE: December 22, 1998
; PRIOR APPLICATION NUMBER: 60/146,222
; PRIOR FILING DATE: July 28, 1999
; PRIOR APPLICATION NUMBER: PCT/US98/19330
; PRIOR FILING DATE: September 16, 1998
; PRIOR APPLICATION NUMBER: PCT/US98/25108
; PRIOR FILING DATE: December 1, 1998
; PRIOR APPLICATION NUMBER: 09/216,021
; PRIOR FILING DATE: December 16, 1998
; PRIOR APPLICATION NUMBER: 09/218,517
; PRIOR FILING DATE: December 22, 1998
; PRIOR APPLICATION NUMBER: 09/254,311
; PRIOR FILING DATE: March 3, 1999
; PRIOR APPLICATION NUMBER: PCT/US99/12252
; PRIOR FILING DATE: June 22, 1999
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: September 15, 1999
; PRIOR APPLICATION NUMBER: PCT/US99/28409
; PRIOR FILING DATE: No. US20020102647A1ember 30, 1999
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: No. US20020102647A1ember 30, 1999
; PRIOR APPLICATION NUMBER: PCT/US99/28301
; PRIOR FILING DATE: December 1, 1999
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: December 16, 1999
; PRIOR APPLICATION NUMBER: PCT/US00/03565
; PRIOR FILING DATE: February 11, 2000
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: February 22, 2000
; PRIOR APPLICATION NUMBER: PCT/US00/05841
; PRIOR FILING DATE: March 2, 2000
; PRIOR APPLICATION NUMBER: PCT/US00/08439
; PRIOR FILING DATE: March 30, 2000
; PRIOR APPLICATION NUMBER: PCT/US00/14042
; PRIOR FILING DATE: May 22, 2000
; PRIOR APPLICATION NUMBER: PCT/US00/20710
; PRIOR FILING DATE: July 28, 2000
; PRIOR APPLICATION NUMBER: PCT/US00/32678
; PRIOR FILING DATE: December 1, 2000
; PRIOR APPLICATION NUMBER: PCT/US01/06520
; PRIOR FILING DATE: February 28, 2001
; NUMBER OF SEQ ID NOS: 120
; SEQ ID NO 7
; LENGTH: 954
; TYPE: PRT
; ORGANISM: Homo Sapien
US-09-944-449-7

Query Match          75.0%; Score 36; DB 10; Length 954;
Best Local Similarity 75.0%; Pred. No. 1.3e+02;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      1 CGAVVPOC 8
Db      902 CGAGVPHC 909

RESULT 14
US-09-944-457-7
; Sequence 7, Application US/09944457
; Patent No. US20020110859A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin
```

```

APPLICANT: Botstein, David
APPLICANT: Baton, Dan
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Gerritsen, Mary
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul
APPLICANT: Grimaldi, Christopher
APPLICANT: Gurney, Austin
APPLICANT: Hillan, Kenneth
APPLICANT: Kljavin, Ivar
APPLICANT: Napier, Mary
APPLICANT: Roy, Margaret
APPLICANT: Tumas, Daniel
APPLICANT: Wood, William
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P2548P1C1
CURRENT APPLICATION NUMBER: US/09/944,457
CURRENT FILING DATE: 2001-09-26
PRIOR APPLICATION NUMBER: 09/866,028
PRIOR FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: 60/067,411
PRIOR FILING DATE: December 3, 1997
PRIOR APPLICATION NUMBER: 60/069,334
PRIOR FILING DATE: December 11, 1997
PRIOR APPLICATION NUMBER: 60/069,335
PRIOR FILING DATE: December 11, 1997
PRIOR APPLICATION NUMBER: 60/069,278
PRIOR FILING DATE: December 11, 1997
PRIOR APPLICATION NUMBER: 60/069,425
PRIOR FILING DATE: December 12, 1997
PRIOR APPLICATION NUMBER: 60/069,696
PRIOR FILING DATE: December 16, 1997
PRIOR APPLICATION NUMBER: 60/069,694
PRIOR FILING DATE: December 16, 1997
PRIOR APPLICATION NUMBER: 60/069,702
PRIOR FILING DATE: December 16, 1997
PRIOR APPLICATION NUMBER: 60/069,870
PRIOR FILING DATE: December 17, 1997
PRIOR APPLICATION NUMBER: 60/069,873
PRIOR FILING DATE: December 17, 1997
PRIOR APPLICATION NUMBER: 60/068,017
PRIOR FILING DATE: December 18, 1997
PRIOR APPLICATION NUMBER: 60/070,440
PRIOR FILING DATE: January 5, 1998
PRIOR APPLICATION NUMBER: 60/074,086
PRIOR FILING DATE: February 9, 1998
PRIOR APPLICATION NUMBER: 60/074,092
PRIOR FILING DATE: February 9, 1998
PRIOR APPLICATION NUMBER: 60/075,945
PRIOR FILING DATE: February 25, 1998
PRIOR APPLICATION NUMBER: 60/112,850
PRIOR FILING DATE: December 16, 1998
PRIOR APPLICATION NUMBER: 60/113,296
PRIOR FILING DATE: December 22, 1998
PRIOR APPLICATION NUMBER: 60/146,222
PRIOR FILING DATE: July 28, 1999
PRIOR APPLICATION NUMBER: PCT/US98/19330
PRIOR FILING DATE: September 16, 1998
PRIOR APPLICATION NUMBER: PCT/US98/25108
PRIOR FILING DATE: December 1, 1998
PRIOR APPLICATION NUMBER: 09/216,021
PRIOR FILING DATE: December 16, 1998
PRIOR APPLICATION NUMBER: 09/218,517
PRIOR FILING DATE: December 22, 1998
PRIOR APPLICATION NUMBER: 09/254,311
PRIOR FILING DATE: March 3, 1999
PRIOR APPLICATION NUMBER: PCT/US99/12252
PRIOR FILING DATE: June 22, 1999
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: September 15, 1999
PRIOR APPLICATION NUMBER: PCT/US99/28409
PRIOR FILING DATE: No. US20020110859A1ember 30, 1999
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: No. US20020110859A1ember 30, 1999
PRIOR APPLICATION NUMBER: PCT/US99/28301
PRIOR FILING DATE: December 1, 1999
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: December 16, 1999
PRIOR APPLICATION NUMBER: PCT/US00/03565
PRIOR FILING DATE: February 11, 2000
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: February 22, 2000
PRIOR APPLICATION NUMBER: PCT/US00/05841
PRIOR FILING DATE: March 2, 2000
PRIOR APPLICATION NUMBER: PCT/US00/08439
PRIOR FILING DATE: March 30, 2000
PRIOR APPLICATION NUMBER: PCT/US00/14042
PRIOR FILING DATE: May 22, 2000
PRIOR APPLICATION NUMBER: PCT/US00/20710
PRIOR FILING DATE: July 28, 2000
PRIOR APPLICATION NUMBER: PCT/US00/32678
PRIOR FILING DATE: December 1, 2000
PRIOR APPLICATION NUMBER: PCT/US01/06520
PRIOR FILING DATE: February 28, 2001
NUMBER OF SEQ ID NOS: 120
SEQ ID NO 7
LENGTH: 954
TYPE: PRT
ORGANISM: Homo Sapian
US*09-944-457-7
Query Match 75.0%; Score 36; DB 10; Length 954;
Best Local Similarity 75.0%; Pred. No. 1.3e+02;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Oy 1 CGAVVPC 8
Db 902 CGAGVPHC 909
RESULT 15
US-09-944-862-7
Sequence 7, Application US/09944862
Patent No. US20020115145A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin
APPLICANT: Botstein, David
APPLICANT: Baton, Dan
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Gerritsen, Mary
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul
APPLICANT: Grimaldi, Christopher
APPLICANT: Gurney, Austin
APPLICANT: Hillan, Kenneth
APPLICANT: Kljavin, Ivar
APPLICANT: Napier, Mary
APPLICANT: Roy, Margaret
APPLICANT: Tumas, Daniel
APPLICANT: Wood, William
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P2548P1C1
CURRENT APPLICATION NUMBER: US/09/944,862
CURRENT FILING DATE: 2001-09-26
PRIOR APPLICATION NUMBER: 09/866,028
PRIOR FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: 60/067,411
PRIOR FILING DATE: December 3, 1997
PRIOR APPLICATION NUMBER: 60/069,334
PRIOR FILING DATE: December 11, 1997
PRIOR APPLICATION NUMBER: 60/069,335
PRIOR FILING DATE: December 11, 1997
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PRIOR APPLICATION NUMBER: 60/069,278  
 PRIOR FILING DATE: December 11, 1997  
 PRIOR APPLICATION NUMBER: 60/069,425  
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 PRIOR APPLICATION NUMBER: 60/069,696  
 PRIOR FILING DATE: December 16, 1997  
 PRIOR APPLICATION NUMBER: 60/069,694  
 PRIOR FILING DATE: December 16, 1997  
 PRIOR APPLICATION NUMBER: 60/069,702  
 PRIOR FILING DATE: December 16, 1997  
 PRIOR APPLICATION NUMBER: 60/069,870  
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 PRIOR APPLICATION NUMBER: 60/069,873  
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 PRIOR APPLICATION NUMBER: 60/068,017  
 PRIOR FILING DATE: December 18, 1997  
 PRIOR APPLICATION NUMBER: 60/070,440  
 PRIOR FILING DATE: January 5, 1998  
 PRIOR APPLICATION NUMBER: 60/074,086  
 PRIOR FILING DATE: February 9, 1998  
 PRIOR APPLICATION NUMBER: 60/074,092  
 PRIOR FILING DATE: February 9, 1998  
 PRIOR APPLICATION NUMBER: 60/075,945  
 PRIOR FILING DATE: February 25, 1998  
 PRIOR APPLICATION NUMBER: 60/112,850  
 PRIOR FILING DATE: December 16, 1998  
 PRIOR APPLICATION NUMBER: 60/113,296  
 PRIOR FILING DATE: December 22, 1998  
 PRIOR APPLICATION NUMBER: 60/146,222  
 PRIOR FILING DATE: July 28, 1999  
 PRIOR APPLICATION NUMBER: PCT/US98/19330  
 PRIOR FILING DATE: September 16, 1998  
 PRIOR APPLICATION NUMBER: PCT/US98/25108  
 PRIOR FILING DATE: December 1, 1998  
 PRIOR APPLICATION NUMBER: 09/216,021  
 PRIOR FILING DATE: December 16, 1998  
 PRIOR APPLICATION NUMBER: 09/218,517  
 PRIOR FILING DATE: December 22, 1998  
 PRIOR APPLICATION NUMBER: 09/254,311  
 PRIOR FILING DATE: March 3, 1999  
 PRIOR APPLICATION NUMBER: PCT/US99/12252  
 PRIOR FILING DATE: June 22, 1999  
 PRIOR APPLICATION NUMBER: PCT/US99/21090  
 PRIOR FILING DATE: September 15, 1999  
 PRIOR APPLICATION NUMBER: PCT/US99/28409  
 PRIOR FILING DATE: No. US20020115145A1ember 30, 1999  
 PRIOR APPLICATION NUMBER: PCT/US99/28313  
 PRIOR FILING DATE: No. US20020115145A1ember 30, 1999  
 PRIOR APPLICATION NUMBER: PCT/US99/28301  
 PRIOR FILING DATE: December 1, 1999  
 PRIOR APPLICATION NUMBER: PCT/US99/30095  
 PRIOR FILING DATE: December 16, 1999  
 PRIOR APPLICATION NUMBER: PCT/US00/03565  
 PRIOR FILING DATE: February 11, 2000  
 PRIOR APPLICATION NUMBER: PCT/US00/04414  
 PRIOR FILING DATE: February 22, 2000  
 PRIOR APPLICATION NUMBER: PCT/US00/05841  
 PRIOR FILING DATE: March 2, 2000  
 PRIOR APPLICATION NUMBER: PCT/US00/08439  
 PRIOR FILING DATE: March 30, 2000  
 PRIOR APPLICATION NUMBER: PCT/US00/14042  
 PRIOR FILING DATE: May 22, 2000  
 PRIOR APPLICATION NUMBER: PCT/US00/20710  
 PRIOR FILING DATE: July 28, 2000  
 PRIOR APPLICATION NUMBER: PCT/US00/32678  
 PRIOR FILING DATE: December 1, 2000  
 PRIOR APPLICATION NUMBER: PCT/US01/06520  
 PRIOR FILING DATE: February 28, 2001  
 NUMBER OF SEQ ID NOS: 120  
 SEQ ID NO 7  
 LENGTH: 954  
 TYPE: PRT  
 ORGANISM: Homo Sapien

US-09-944-862-7  
 Query Match  
 Best Local Similarity 75.0%; Score 36; DB 10; Length 954;  
 Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;  
 QY 1 CGAVVPOC 8  
 DB 902 CGAVVPHC 909  
 Search completed: April 16, 2003, 09:51:43  
 Job time : 17 secs

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## OM protein - protein search, using sw model

Run on: April 16, 2003, 09:32:02 ; Search time 13.913 Seconds  
(without alignments)  
16.918 Million cell updates/sec

Title: US-09-580-156D-51

Perfect score: 48

Sequence: 1 CGAVPQC 8

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0

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Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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## SUMMARIES

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4	36	75.0	854	2	US-08-938-365-2
5	36	75.0	954	2	US-08-749-169A-3
6	36	75.0	954	2	US-08-130-032A-3
7	34	70.8	330	1	US-08-238-163-2
8	33	68.8	206	1	US-08-820-970-9
9	32	66.7	90	1	US-08-464-339A-11
10	32	66.7	327	1	US-08-238-163-4
11	32	66.7	375	1	US-08-468-847B-13
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14	31	64.6	328	6	US-09-253-316-28
15	31	64.6	328	6	5212074-4
16	31	64.6	342	1	US-08-244-646-15
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18	31	64.6	342	2	US-09-111-573-21
19	31	64.6	415	2	US-08-896-345-4
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21	31	64.6	415	4	US-09-325-881-4
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25	30	62.5	29	5	PCT-US92-01196-10
26	30	62.5	31	1	US-08-149-839B-12
27	30	62.5	31	1	US-08-451-568-12

28	30	62.5	31	1	US-08-451-566-12	Sequence 12, Appl
29	30	62.5	31	2	US-08-777-113-12	Sequence 12, Appl
30	30	62.5	45	4	US-08-469-260A-199	Sequence 120, App
31	30	62.5	64	1	US-08-358-160-120	Sequence 3, Appl
32	30	62.5	83	4	US-07-791-931-3	Sequence 54, Appl
33	30	62.5	176	4	US-08-469-260A-54	Patent No. 5212074
34	30	62.5	213	6	5212074-6	Sequence 17, Appl
35	30	62.5	227	1	US-08-244-646-17	Sequence 28, Appl
36	30	62.5	315	1	US-08-118-270-28	Sequence 28, Appl
37	30	62.5	315	5	PCT-US93-08528-28	Sequence 19, Appl
38	30	62.5	322	6	5212074-1	Sequence 19, Appl
39	30	62.5	330	1	US-08-118-270-19	Sequence 90, Appl
40	30	62.5	330	5	PCT-US93-08528-19	Sequence 4, Appl
41	30	62.5	344	2	US-08-846-762-90	Sequence 25, Appl
42	30	62.5	461	1	US-08-194-338-4	Sequence 40, Appl
43	30	62.5	527	3	US-08-369-822C-25	Sequence 37, Appl
44	30	62.5	527	3	US-08-582-776C-40	
45	30	62.5	527	3	US-08-434-831B-37	

## ALIGNMENTS

RESULT 1  
US-08-829-110-6  
Sequence 6, Application US/08829110  
Patent No. 5882890  
GENERAL INFORMATION:  
APPLICANT: Hillman, Jennifer L.  
TITLE OF INVENTION: NOVEL REGULATORS OF G-PROTEIN  
TITLE OF INVENTION: SIGNALING  
NUMBER OF SEQUENCES: 6  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Incyte Pharmaceuticals, Inc.  
STREET: 3174 Porter Drive  
CITY: Palo Alto  
STATE: CA  
COUNTRY: USA  
ZIP: 94304  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FASTSEQ for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/829,110  
FILING DATE: Filed Herewith  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Billings, Lucy J.  
REGISTRATION NUMBER: 36,749  
REFERENCE/DOCKET NUMBER: PF-0259 US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415-855-0555  
TELEFAX: 415-845-4166  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 205 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
IMMEDIATE SOURCE:  
LIBRARY: GenBank  
CLONE: 1216373  
US-08-829-110-6  
Query Match 75.0%; Score 36; DB 2; Length 205;  
Best Local Similarity 62.5%; Pred. No. 28;  
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

OY 1 CGAVVPOC 8  
Db 197 CASLVPOC 204

## RESULT 2

US-08-748-483-5  
Sequence 5, Application US/08748483  
Patent No. 5955314  
GENERAL INFORMATION:  
APPLICANT: Hillman, Jennifer L.  
APPLICANT: Goli, Surya K.  
TITLE OF INVENTION: A NOVEL REGULATOR OF CELL SIGNALLING  
NUMBER OF SEQUENCES: 5  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: INCYTE PHARMACEUTICALS, INC.  
STREET: 3174 Porter Drive  
CITY: Palo Alto  
STATE: CA  
COUNTRY: US  
ZIP: 94304  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FASTSEQ Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/748,483  
FILING DATE: Herewith  
CLASSIFICATION: 530  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Billings, Lucy J.  
REGISTRATION NUMBER: 36,749  
REFERENCE/DOCKET NUMBER: PF-0157 US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415-855-0555  
TELEFAX: 415-845-4166  
TELEX:  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 205 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
IMMEDIATE SOURCE:  
LIBRARY: GenBank  
CLONE: 1216373  
US-08-748-483-5

Query Match 75.0%; Score 36; DB 2; Length 205;  
Best Local Similarity 62.5%; Pred. No. 28;  
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

OY 1 CGAVVPOC 8  
Db 197 CASLVPOC 204

## RESULT 3

US-08-938-365-3  
Sequence 3, Application US/08938365  
Patent No. 5989909  
GENERAL INFORMATION:  
APPLICANT: Yang, Pan  
TITLE OF INVENTION: HUCHORDIN AND USES THEREOF  
NUMBER OF SEQUENCES: 4  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Fish & Richardson P.C.  
STREET: 225 Franklin Street

CITY: Boston  
STATE: MA  
COUNTRY: USA  
ZIP: 02110-2804  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: Windows95  
SOFTWARE: FASTSEQ for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/938,365  
FILING DATE: 26-SEP-1997  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Melkielejohn, Ph.D., Anita L.  
REGISTRATION NUMBER: 35,283  
REFERENCE/DOCKET NUMBER: 09404/040001  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 617/542-5070  
TELEFAX: 617/542-8906  
TELEX: 200154

INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 855 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-938-365-3

Query Match 75.0%; Score 36; DB 2; Length 855;  
Best Local Similarity 75.0%; Pred. No. 1e+02;  
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 CGAVVPOC 8  
Db 809 CGAGVPHC 816

## RESULT 4

US-08-938-365-2  
Sequence 2, Application US/08938365  
Patent No. 5989909  
GENERAL INFORMATION:  
APPLICANT: Yang, Pan  
TITLE OF INVENTION: HUCHORDIN AND USES THEREOF  
NUMBER OF SEQUENCES: 4  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Fish & Richardson P.C.  
STREET: 225 Franklin Street  
CITY: Boston  
STATE: MA  
COUNTRY: USA  
ZIP: 02110-2804  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: Windows95  
SOFTWARE: FASTSEQ for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/938,365  
FILING DATE: 26-SEP-1997  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Melkielejohn, Ph.D., Anita L.  
REGISTRATION NUMBER: 35,283  
REFERENCE/DOCKET NUMBER: 09404/040001  
TELECOMMUNICATION INFORMATION:



TELEPHONE: 617/542-5070  
TELEFAX: 617/542-8906  
TELEX: 200154  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 867 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
FRAGMENT TYPE: internal  
US-08-938-365-2

Query Match 75.0%; Score 36; DB 2; Length 867;  
Best Local Similarity 75.0%; Pred. No. 1e+02;  
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 CGAVVPOC 8  
Db 814 CGAGVPHC 821

RESULT 5  
US-08-749-169A-3  
Sequence 3, Application US/08749169A  
Patent No. 5846770  
GENERAL INFORMATION:  
APPLICANT: RACIE, Lisa  
APPLICANT: LAVALLIE, Edward  
APPLICANT: DEROBERTIS, Edward  
TITLE OF INVENTION: CHORDIN COMPOSITIONS  
NUMBER OF SEQUENCES: 8  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genetics Institute, Inc.  
STREET: 87 Cambridgepark Drive  
CITY: Cambridge  
STATE: Massachusetts  
COUNTRY: USA  
ZIP: 02140  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/749,169A  
FILING DATE:  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: LAZAR, Steven R.  
REGISTRATION NUMBER: 32,618  
REFERENCE/DOCKET NUMBER: GI 5284  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 498-8260  
TELEFAX: (617) 876-5851  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 954 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-749-169A-3

Query Match 75.0%; Score 36; DB 2; Length 954;  
Best Local Similarity 75.0%; Pred. No. 1.1e+02;  
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 CGAVVPOC 8  
Db 902 CGAGVPHC 909

RESULT 6  
US-09-130-032A-3

Sequence 3, Application US/09130032A  
Patent No. 5986056  
GENERAL INFORMATION:  
APPLICANT: LAVALLIE, Edward  
APPLICANT: RACIE, Lisa  
APPLICANT: DEROBERTIS, Edward  
TITLE OF INVENTION: HUMAN CHORDIN COMPOSITIONS  
NUMBER OF SEQUENCES: 7  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genetics Institute, Inc.  
STREET: 87 Cambridgepark Drive  
CITY: Cambridge  
STATE: Massachusetts  
COUNTRY: USA  
ZIP: 02140  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/130,032A  
FILING DATE: August 4, 1998  
CLASSIFICATION: 530  
ATTORNEY/AGENT INFORMATION:  
NAME: LAZAR, Steven R.  
REGISTRATION NUMBER: 32,618  
REFERENCE/DOCKET NUMBER: GI 5284-DIV  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 498-8260  
TELEFAX: (617) 876-5851  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 954 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-130-032A-3

Query Match 75.0%; Score 36; DB 2; Length 954;  
Best Local Similarity 75.0%; Pred. No. 1.1e+02;  
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 CGAVVPOC 8  
Db 902 CGAGVPHC 909

RESULT 7  
US-08-238-163-2  
Sequence 2, Application US/08238163  
Patent No. 5569830  
GENERAL INFORMATION:  
APPLICANT: BENNETT, Alan  
APPLICANT: LABAVITCH, John M.  
APPLICANT: POWELL, Ann  
APPLICANT: STOTZ, Henrik  
TITLE OF INVENTION: PLANT INHIBITORS OF FUNGAL  
GROWTH AND THEIR USE TO CONTROL FUNGAL DISEASE  
NUMBER OF SEQUENCES: 24  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend Kourie and Crew  
STREET: Steuart Street Tower, One Market Plaza  
CITY: San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94105-1493  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/238,163  
FILING DATE: 03-MAY-1994  
CLASSIFICATION: 800  
ATTORNEY/AGENT INFORMATION:  
NAME: Bastian, Kevin L.  
REGISTRATION NUMBER: 34,774  
REFERENCE/DOCKET NUMBER: 2307E-540  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 543-9600  
TELEFAX: (415) 543-5043  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 330 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-238-163-2

Query Match 70.8%; Score 34; DB 1; Length 330;  
Best Local Similarity 62.5%; Pred. No. 96;  
Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 CGAVVPOC 8  
DB 322 CGAPLPSC 329

RESULT 8  
US-08-820-970-9  
Sequence 9, Application US/08820970  
Patent No. 6008022  
GENERAL INFORMATION:  
APPLICANT: LI, YI  
APPLICANT: SU, KUI  
APPLICANT: LI, HAODONG  
TITLE OF INVENTION: HUMAN CYTOKINE POLYPEPTIDE  
NUMBER OF SEQUENCES: 9  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: HUMAN GENOME SCIENCES, INC.  
STREET: 9410 KEY WEST AVENUE  
CITY: ROCKVILLE  
STATE: MARYLAND  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/820,970  
FILING DATE: 20-MAR-1997  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Brookes, Anders, A.  
REGISTRATION NUMBER: 36,373  
REFERENCE/DOCKET NUMBER: PR270  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 301-309-8504  
TELEFAX: 301-309-8512  
INFORMATION FOR SEQ ID NO: 9:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 206 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-820-970-9

Query Match 68.8%; Score 33; DB 3; Length 206;  
Best Local Similarity 62.5%; Pred. No. 93;  
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 CGAVVPOC 8  
DB 31 CGSVSKC 38

RESULT 9  
US-08-464-339A-11  
Sequence 11, Application US/08464339A  
Patent No. 5747280  
GENERAL INFORMATION:  
APPLICANT: HASTINGS, ET AL.  
TITLE OF INVENTION: Human Vascular IBP-Like Growth  
Factor  
NUMBER OF SEQUENCES: 17  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,  
ADDRESSEE: CECCHI, STEWART & OLSTEIN  
STREET: 6 BECKER FARM ROAD  
CITY: ROSELAND  
STATE: NEW JERSEY  
COUNTRY: USA  
ZIP: 07068  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5 INCH DISKETTE  
COMPUTER: IBM PS/2  
OPERATING SYSTEM: MS-DOS  
SOFTWARE: WORD PERFECT 5.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/464,339A  
FILING DATE: June 5, 1995  
CLASSIFICATION: 536  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: PCT/US94/14388  
FILING DATE: 9 DEC 1994  
ATTORNEY/AGENT INFORMATION:  
NAME: MULLINS, J.G.  
REGISTRATION NUMBER: 33,073  
REFERENCE/DOCKET NUMBER: 325800-332  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 201-994-1700  
TELEFAX: 201-994-1744  
INFORMATION FOR SEQ ID NO: 11:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 90 AMINO ACIDS  
TYPE: AMINO ACID  
STRANDEDNESS:  
TOPOLOGY: LINEAR  
MOLECULE TYPE: PROTEIN  
US-08-464-339A-11

Query Match 66.7%; Score 32; DB 1; Length 90;  
Best Local Similarity 62.5%; Pred. No. 66;  
Matches 5; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CGAVVPOC 8  
DB 32 CPAAAPC 39

RESULT 10  
US-08-238-163-4  
Sequence 4, Application US/08238163  
Patent No. 5569830  
GENERAL INFORMATION:  
APPLICANT: BENNETT, Alan  
APPLICANT: LABAVITCH, John M.  
APPLICANT: POWELL, Ann  
APPLICANT: STOTZ, Henrik  
TITLE OF INVENTION: PLANT INHIBITORS OF FUNGAL  
NUMBER OF SEQUENCES: 24  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend Kourie and Crew

STREET: Steuart Street Tower, One Market Plaza  
CITY: San Francisco  
STATE: California  
COUNTRY: US  
ZIP: 94105-1493  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/238,163  
FILING DATE: 03-MAY-1994  
CLASSIFICATION: 800  
ATTORNEY/AGENT INFORMATION:  
NAME: Baselian, Kevin L.  
REGISTRATION NUMBER: 34,774  
REFERENCE/DOCKET NUMBER: 2307E-540  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 543-9600  
TELEFAX: (415) 543-5043  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 327 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-238-163-4

Query Match 66.7%; Score 32; DB 1; Length 327;  
Best Local Similarity 50.0%; Pred. No. 2.1e+02;  
Matches 4; Conservative 3; Mismatches 1; Indels 0; Gaps 0;  
QY 1 CGAVVPOC 8  
Db 319 CGSPLPKC 326

RESULT 11  
US-08-468-847B-13  
Sequence 13, Application US/08468847B  
Patent No. 5780263  
GENERAL INFORMATION:  
APPLICANT: Hastings, Gregg A. and Adams, Mark D.  
TITLE OF INVENTION: Human CCN-Like Growth Factor  
NUMBER OF SEQUENCES: 20  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: CARELIA, BYRNE, BAIN, GILFILLIAN,  
ADDRESSEE: CECCHI, STEWART & OLSTEIN  
STREET: 6 BECKER FARM ROAD  
CITY: ROSELAND  
STATE: NEW JERSEY  
COUNTRY: USA  
ZIP: 07068  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5 INCH DISKETTE  
COMPUTER: IBM PS/2  
OPERATING SYSTEM: MS-DOS  
SOFTWARE: WORD PERFECT 5.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/468,847B  
FILING DATE: 6 June 1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: MULLINS, J.G.  
REGISTRATION NUMBER: 33,073  
REFERENCE/DOCKET NUMBER: 325800-442  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 201-994-1700  
TELEFAX: 201-994-1744

INFORMATION FOR SEQ ID NO: 13:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 375 AMINO ACIDS  
TYPE: AMINO ACID  
STRANDEDNESS:  
TOPOLOGY: LINEAR  
MOLECULE TYPE: PROTEIN  
US-08-468-847B-13

Query Match 66.7%; Score 32; DB 1; Length 375;  
Best Local Similarity 62.5%; Pred. No. 2.4e+02;  
Matches 5; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CGAVVPOC 8  
Db 32 CPAAAPOC 39

RESULT 12  
US-09-084-079-5  
Sequence 5, Application US/09084079  
Patent No. 6150136  
GENERAL INFORMATION:  
APPLICANT: Bronstein, Jeff M.  
APPLICANT: Seltz, Robert S.  
APPLICANT: Lallone, Roger L.  
TITLE OF INVENTION: Oligonucleotide-specific Protein and Method for  
NUMBER OF SEQUENCES: 5  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Sheldon & Mak  
STREET: 225 S. Lake Avenue, 9th Floor  
CITY: Pasadena  
STATE: California  
ZIP: 91101

COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.44 Mb storage  
COMPUTER: IBM compatible  
OPERATING SYSTEM: Windows 95  
SOFTWARE: Wordperfect for Windows version 8.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/084,079  
FILING DATE: 22-MAY-1998  
CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:  
NAME: Farah, David A.  
REGISTRATION NUMBER: 38,134  
REFERENCE/DOCKET NUMBER: 11201-1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (626)795-4000  
TELEFAX: (626)795-6321  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 218 amino acid residues  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-084-079-5

Query Match 64.6%; Score 31; DB 4; Length 218;  
Best Local Similarity 50.0%; Pred. No. 2.1e+02;  
Matches 4; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 CGAVVPOC 8  
Db 34 CGYTIPTC 41

RESULT 13  
5212074-7  
Patent No. 5212074  
APPLICANT: KIEFER, MICHAEL C.; MASIAKZ, FRANK R.  
TITLE OF INVENTION: GENETIC MATERIAL ENCODING NEM

INSULIN-LIKE GROWTH FACTOR BINDING PROTEIN IGFBP-6  
; NUMBER OF SEQUENCES: 7  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/07/576,629  
; FILING DATE: 31-AUG-1990  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 574,613  
; FILING DATE: 28-AUG-1990  
; SEQ ID NO.: 7  
; LENGTH: 237  
5212074-7

Query Match 64.6%; Score 31; DB 6; Length 237;  
Best Local Similarity 50.0%; Pred. No. 2.3e+02;  
Matches 4; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

OY 1 CGAVVPOC 8  
Db 46 CGVYTPRC 53

RESULT 14  
US-09-253-316-28  
; Sequence 28, Application US/09253316  
; Patent No. 6395890  
; GENERAL INFORMATION:  
; APPLICANT: Sheppard, Paul O.  
; APPLICANT: Jasper, Stephen R.  
; TITLE OF INVENTION: CONNECTIVE TISSUE GROWTH FACTOR HOMOLOGS  
; FILE REFERENCE: 97-75  
; CURRENT APPLICATION NUMBER: US/09/253,316  
; CURRENT FILING DATE: 1999-02-19  
; EARLIER APPLICATION NUMBER: US 60/075,300  
; EARLIER FILING DATE: 1998-02-20  
; NUMBER OF SEQ ID NOS: 34  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 28  
; LENGTH: 328  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-253-316-28

Query Match 64.6%; Score 31; DB 4; Length 328;  
Best Local Similarity 50.0%; Pred. No. 3.1e+02;  
Matches 4; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

OY 1 CGAVVPOC 8  
Db 101 CGVYTPRC 108

RESULT 15  
5212074-4  
; Patent No. 5212074  
; APPLICANT: KIEFER, MICHAEL C.; MASIAZ, FRANK R.  
; TITLE OF INVENTION: GENETIC MATERIAL ENCODING NEW  
; INSULIN-LIKE GROWTH FACTOR BINDING PROTEIN IGFBP-6  
; NUMBER OF SEQUENCES: 7  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/07/576,629  
; FILING DATE: 31-AUG-1990  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 574,613  
; FILING DATE: 28-AUG-1990  
; SEQ ID NO.: 4  
; LENGTH: 328  
5212074-4

Query Match 64.6%; Score 31; DB 6; Length 328;  
Best Local Similarity 50.0%; Pred. No. 3.1e+02;  
Matches 4; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

OY 1 CGAVVPOC 8

Db 101 CGVYTPRC 108

Search completed: April 16, 2003, 09:40:03  
Job time : 14.913 secs